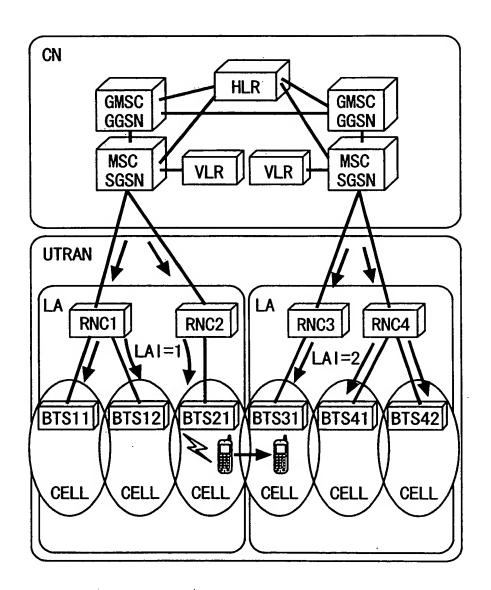
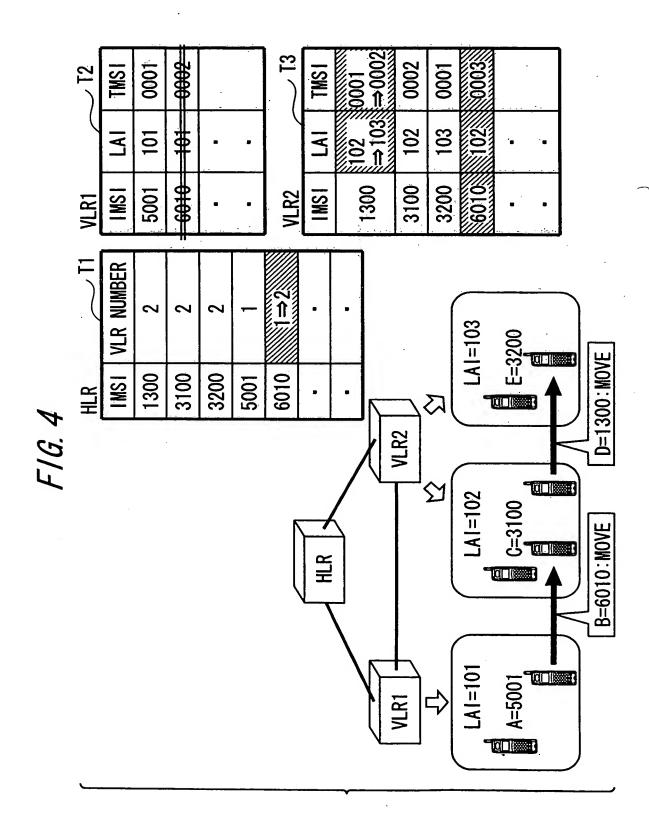


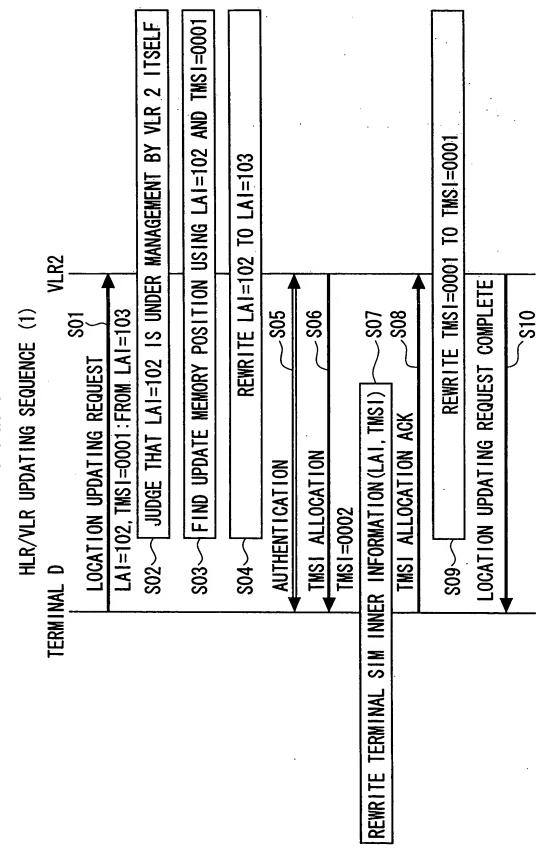
F/G. 2



0005 0002 9001 000 000 TIS I 102 102 103 101 101 F 1300 3100 6010 3200 5001 IWSI I SSI VLR2 VLR NUMBER LAI=103 Ē E=3200 3200 6010 3100 1300 5001 IWSI F16.3 VLR2 D=1300 Y LA1=102 E C=3100 HLR B=6010 LAI=101 **A=5001** VLR1



F/G. 5



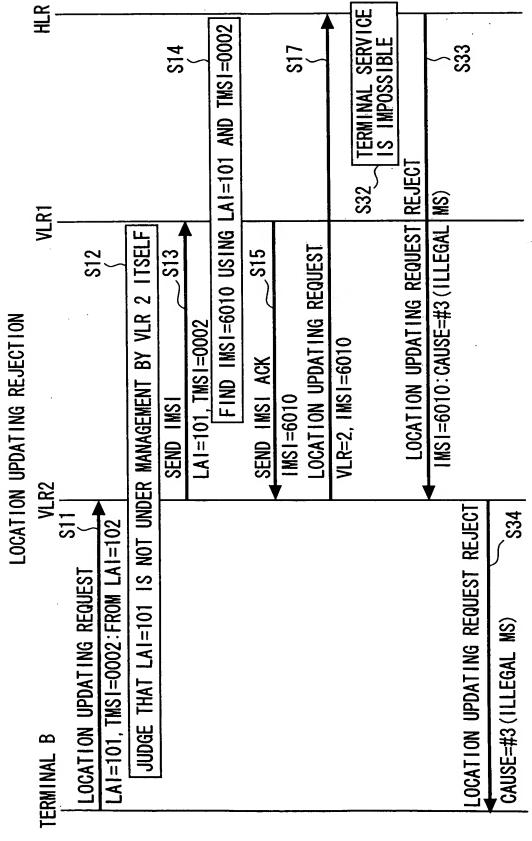
S18 UPDATE HLR FIND IMSI=6010 USING LAI=101 AND TMSI=0002 CANCELL LOCATION ACK CANCELL LOCATION **S19** DELETE DATA OF IMSI=6010 IMS1=6010 JUDGE THAT LAI=101 IS NOT UNDER MANAGEMENT BY VLR 2 ITSELF **S**20 **S15 S12** LOCATION UPDATING REQUEST HLR/VLR UPDATING SEQUENCE (2) LAI=101, TMSI=0002 VLR=2, IMS1=6010 SEND IMSI ACK IMS 1=6010 SEND IMS! VLR2 -A1=101, TMS1=0002:FROM LA1=102 **S16** S11 LOCATION UPDATING REQUEST (**AUTHENTICATION** TERMINAL B

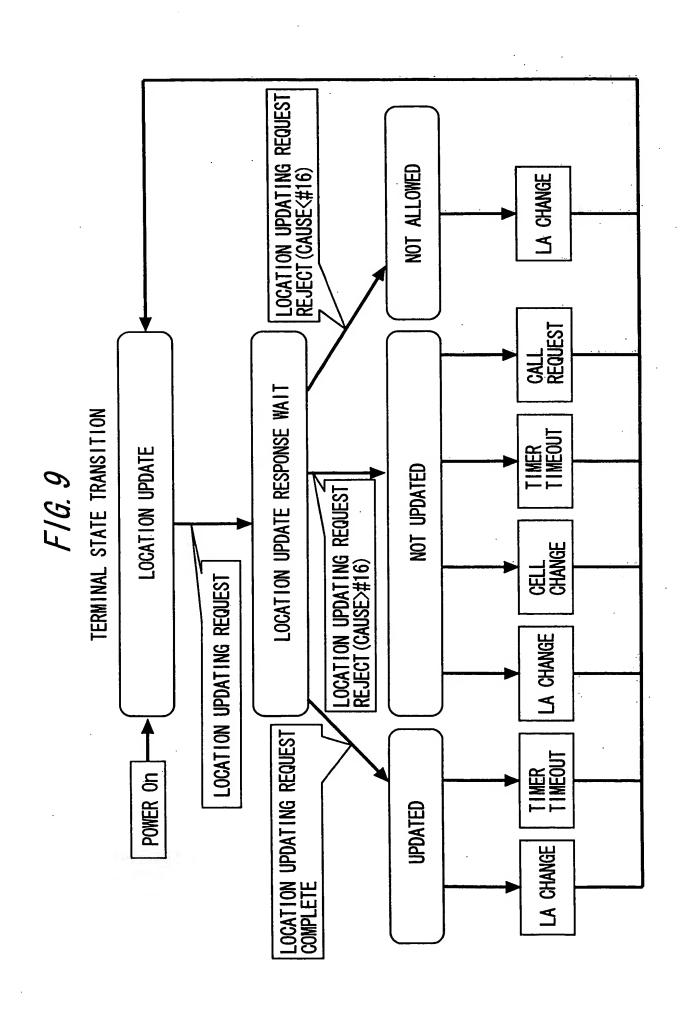
F/G. 6

ADD ANOTHER PIECE OF SUBSCRIBER INFORMATION TO NEWLY ADDED IMSI COLUMN LOCATION UPDATING REQUEST ACK SUBSCRIBER INSERT ACK SUBSCRIBER INSERT HLR/VLR UPDATING SEQUENCE (2) ADD LAI=102 TO IMSI=6010 F/G.) VLR2 TMS! ALLOCATION \$23 TMS 1=0003

\$25 | ADD TMS!=0003 TO IMS!=6010 LOCATION UPDATING REQUEST COMPLETE **S**29 EWRITE TERMINAL SIM INNER NFORMATION(LAI, TMSI) TMSI ALLOCATION ACK TERMINAL B

F/G. 8





F/G. 10

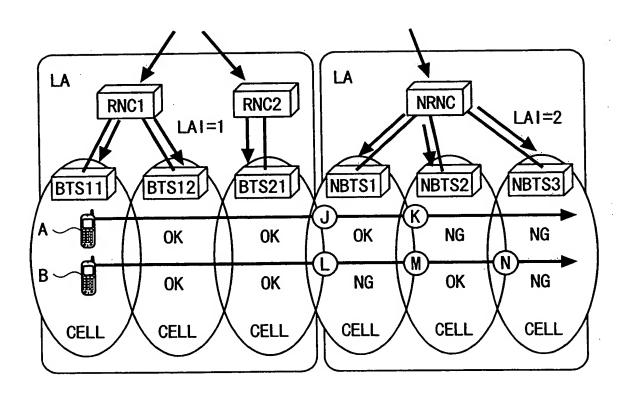
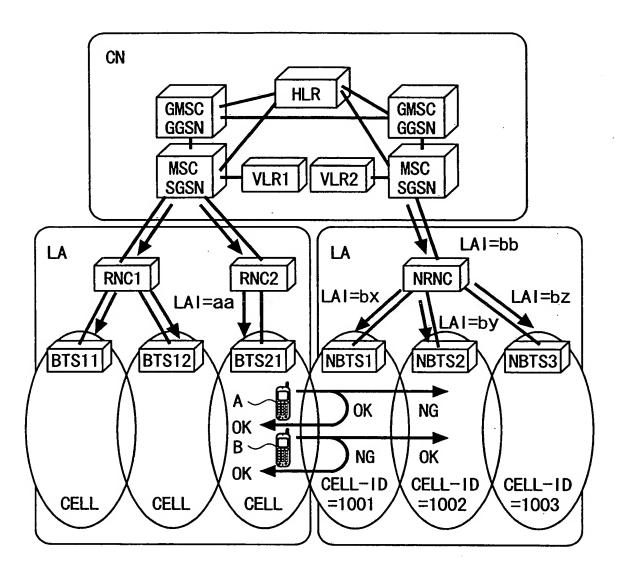
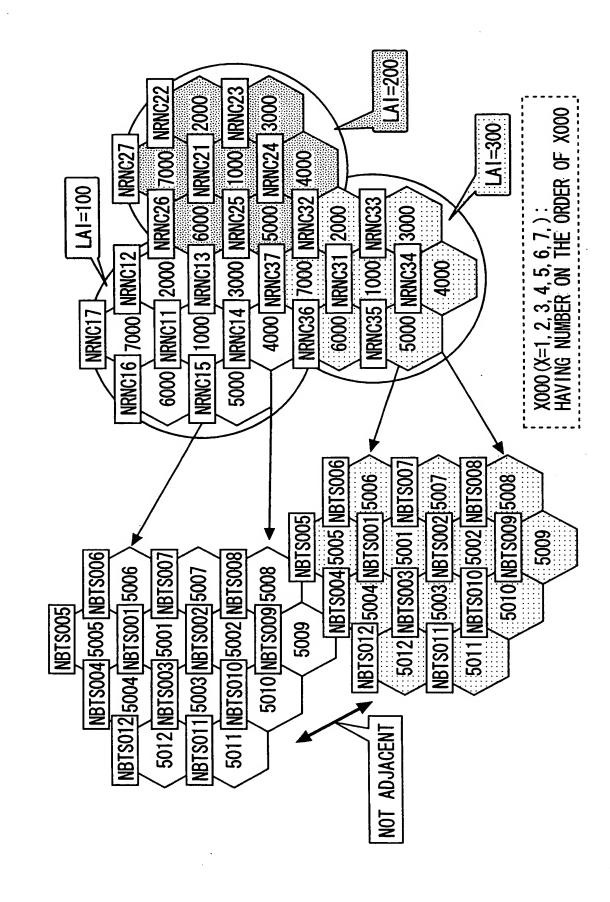


FIG. 11A



F/G. 11B

UPPER	BTS	LOWER
LAI No		LAI No
bb	NBTS1	bx
·	NBTS2	by
	NBTS3	bz
·		



F16. 13B

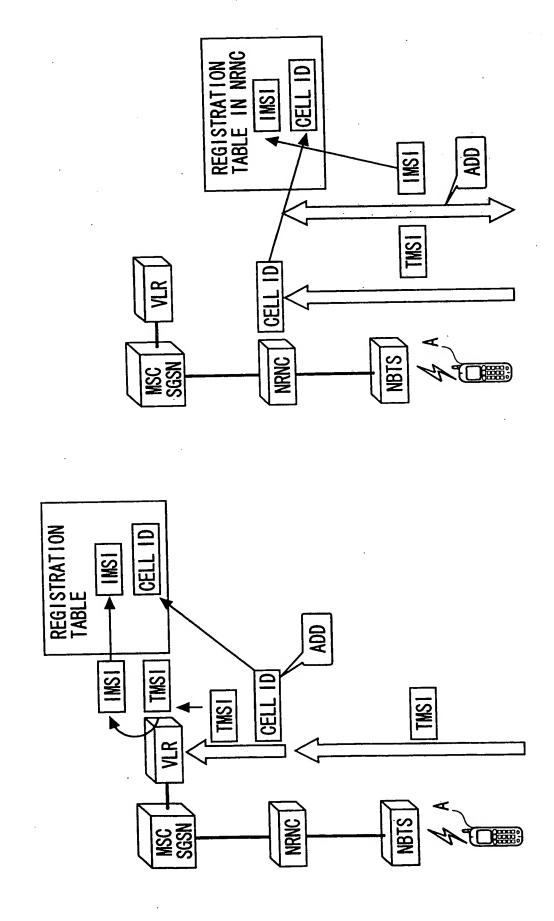
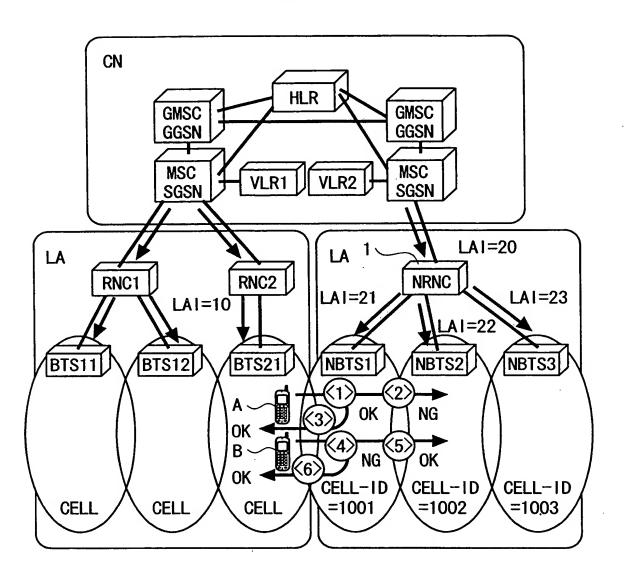


FIG. 14A



F/G. 14B

			ノ2
UPPER	BTS	LOWER	
LAI No		LAI NO	
20	NBTS1	21	
	NBTS2	22	
	NBTS3	23	

FIG. 15A

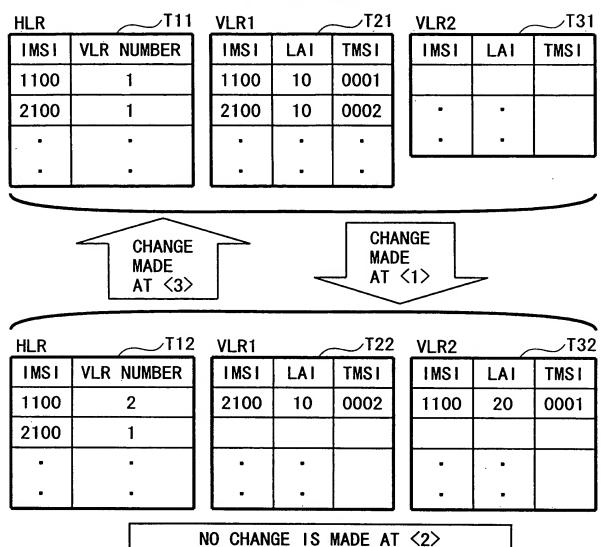
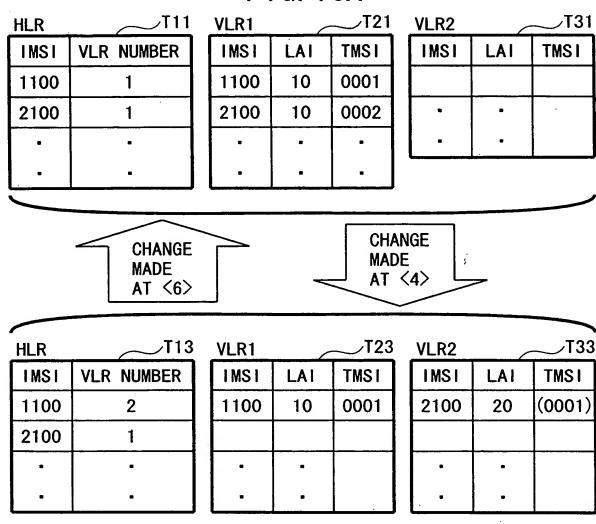


FIG. 15B

TERM	NAL I	REGISTRATIO	ON TABLE		3
В	TS	CELL-ID	IMSI		
NB	T\$1	1001	1100	MULTIPLE	IS POSSIBLE
NB	TS2	1002	2100		
NB	TS3	1003			

FIG. 16A

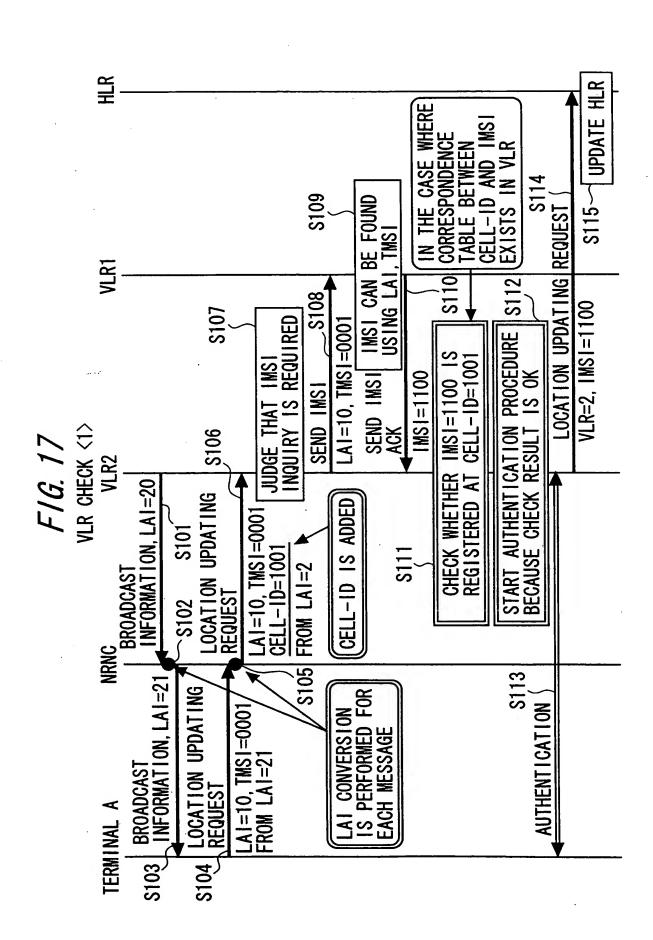


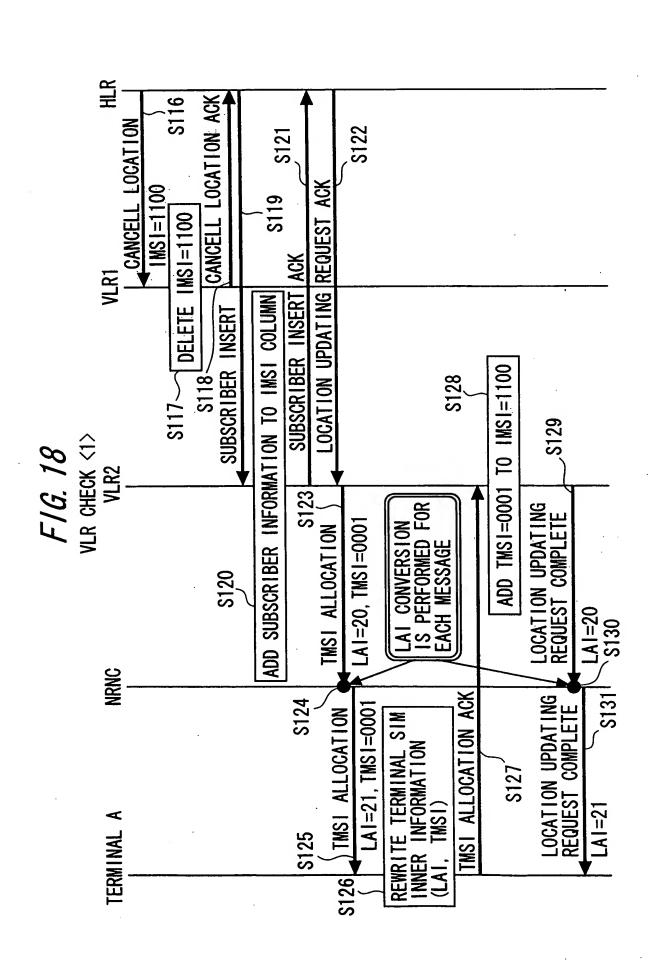
F/G. 16B

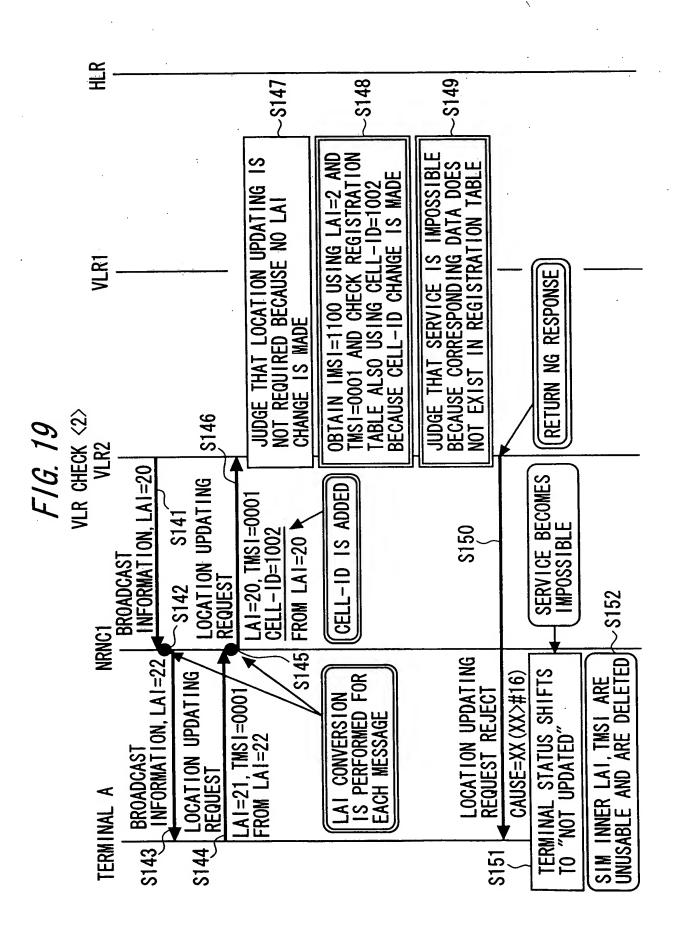
TMSI

IS ADDED TO T33 AT <5>

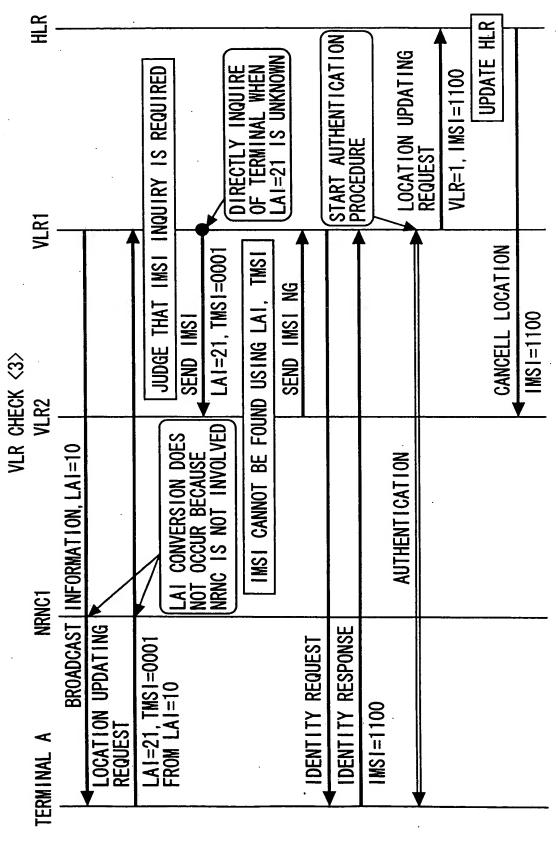
	IERMINAL I	REGISTRATIO	ON TABLE	3
	BTS	CELL-ID	IMSI	
	NBTS1	1001	1100	MULTIPLE IS POSSIBLE
	NBTS2	1002	2100	
	NBTS3	1003		
i				·

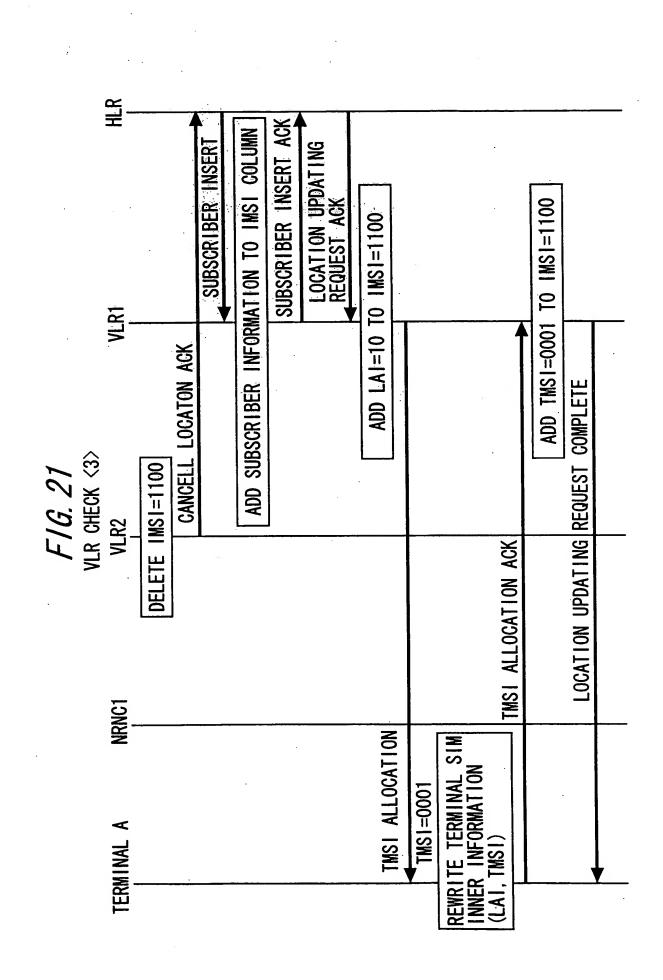


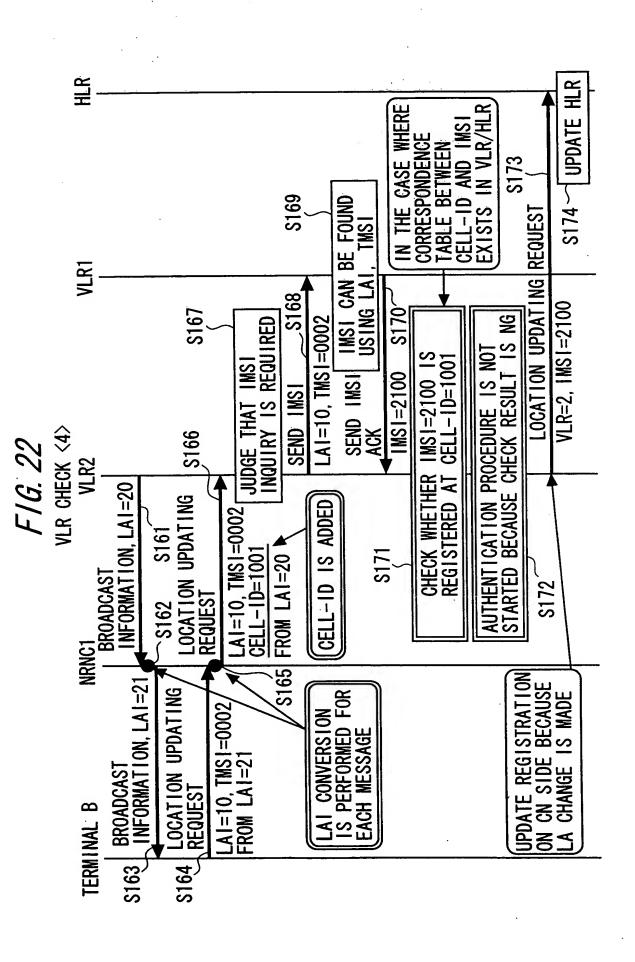


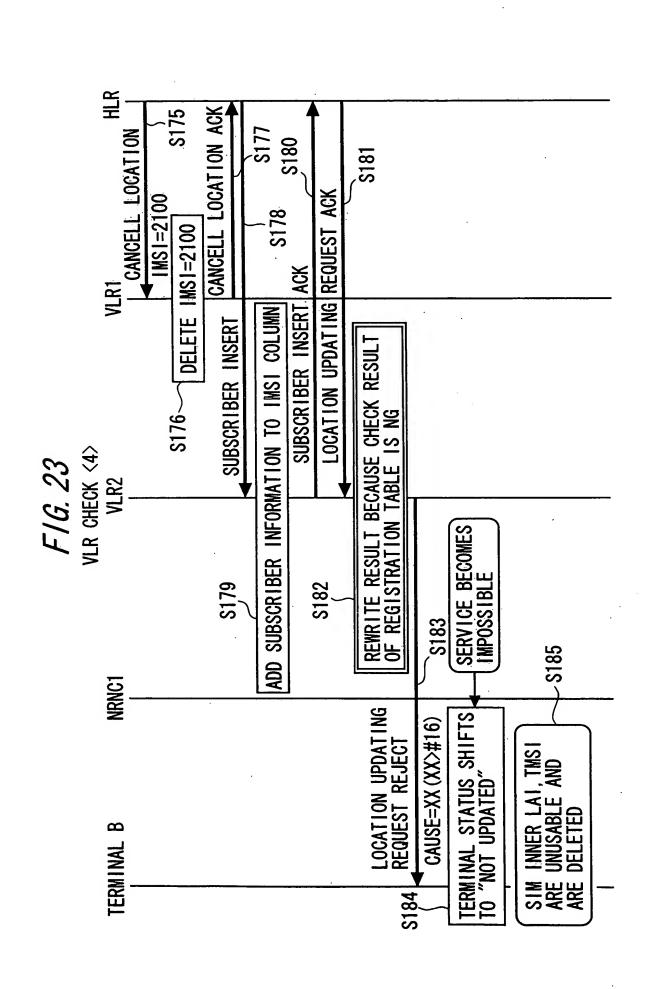


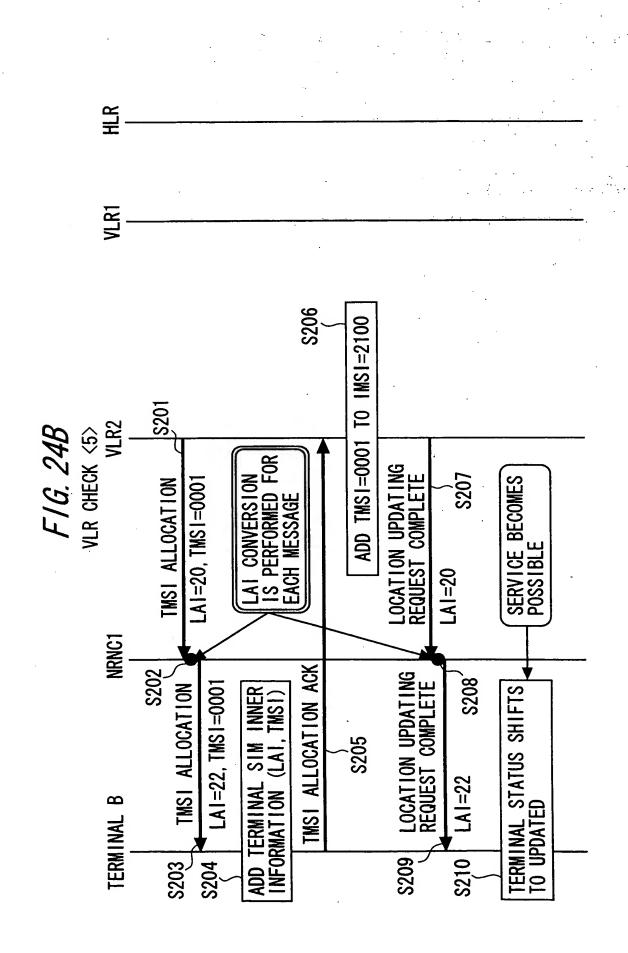
F/G. 20

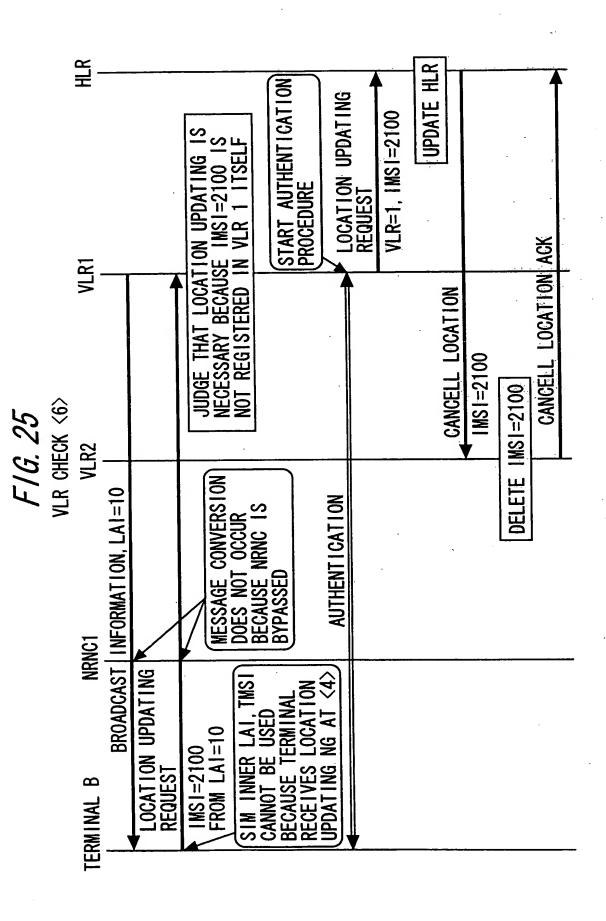












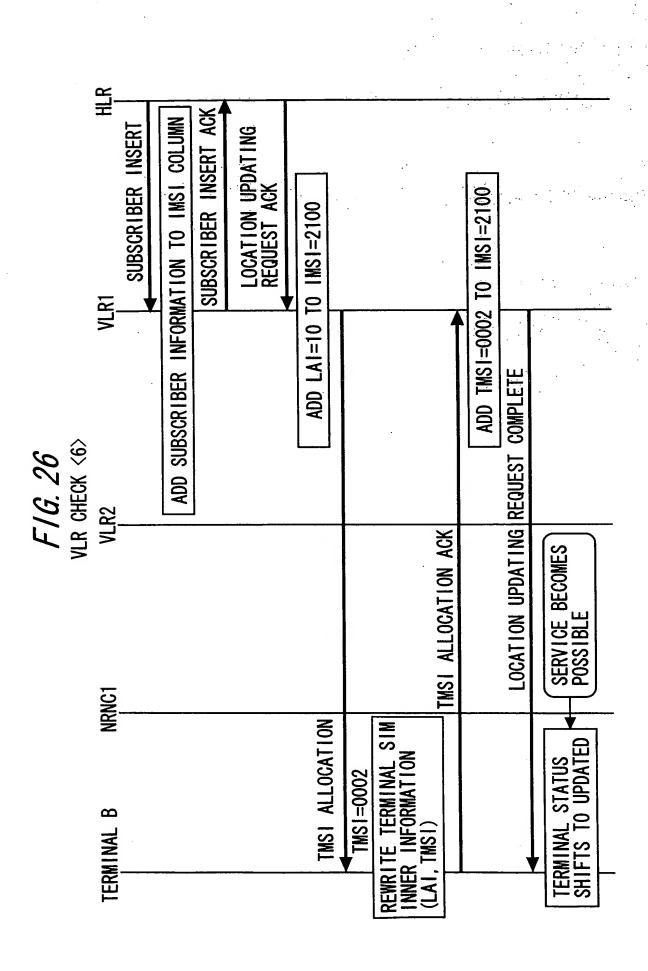


FIG. 27A

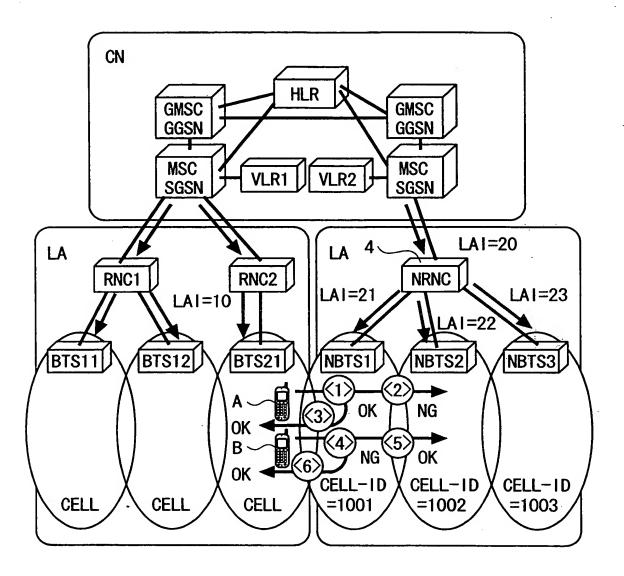


FIG. 27B

,			5
UPPER	BTS	LOWER	
LAI NO		LAI NO	
20	NBTS1	21	
	NBTS2	22	
	NBTS3	23	

FIG. 28A

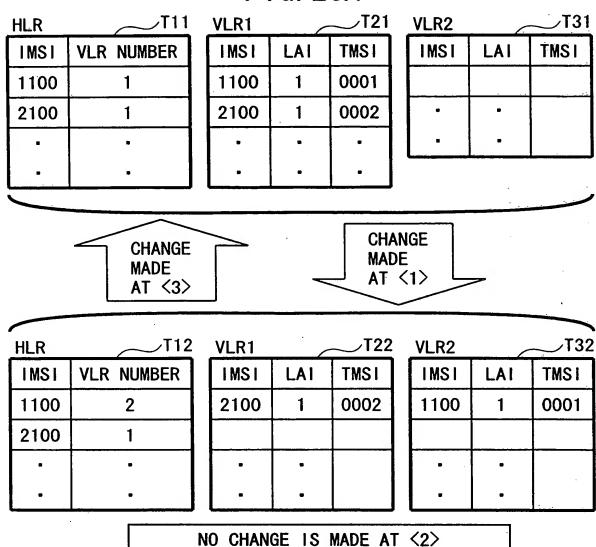


FIG. 28B

IERMINAL I	REGISTRATIO	ON TABLE		_
BTS	CELL-ID	IMSI	TMSI	
NBTS1	1001	1100	0001	
NBTS2	1002	2100		
NBTS3	1003			

FIG. 29A

HLR	T11
IMSI	VLR NUMBER
1100	1
2100	1
•	•
	-

VLR1		T21
IMSI	LAI	TMSI
1100	1	0001
2100	1	0002
•	•	•
•	•	•

VLR2		T31
IMSI	LAI	TMSI
•	•	
•	•	, , ,
<u> </u>	<u></u>	

NO CHANGE IS MADE AT <4>/<6>

CHANGE MADE AT <5>

HLR	T13
IMSI	VLR NUMBER
1100	2
2100	1
. •	•
	•

VLR1		T23
IMSI	LAI	TMSI
1100	1	0001
•	•	
	•	

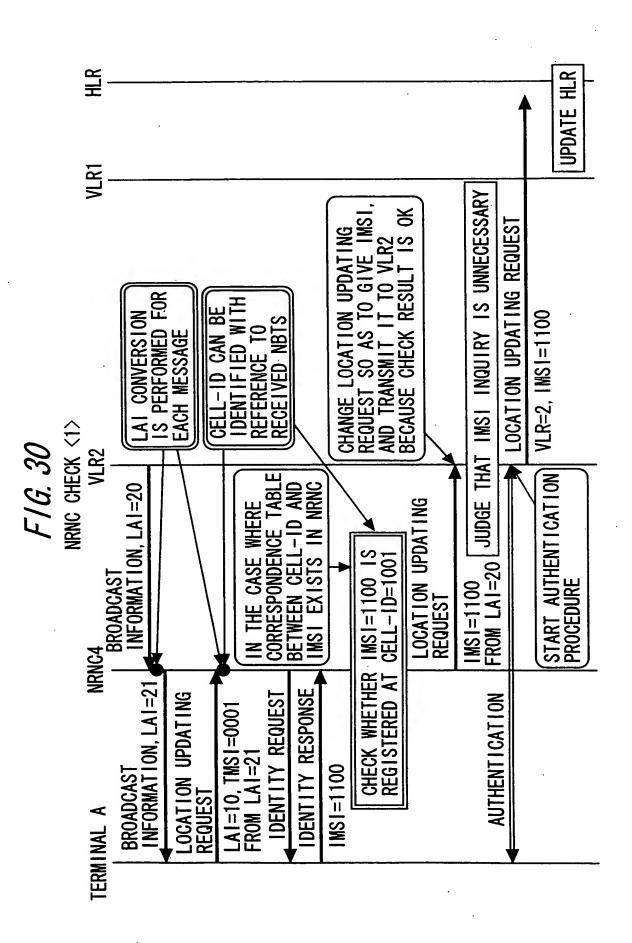
VLR2		T33
IMSI	LAI	TMSI
2100	1	0001
	•	
•	•	

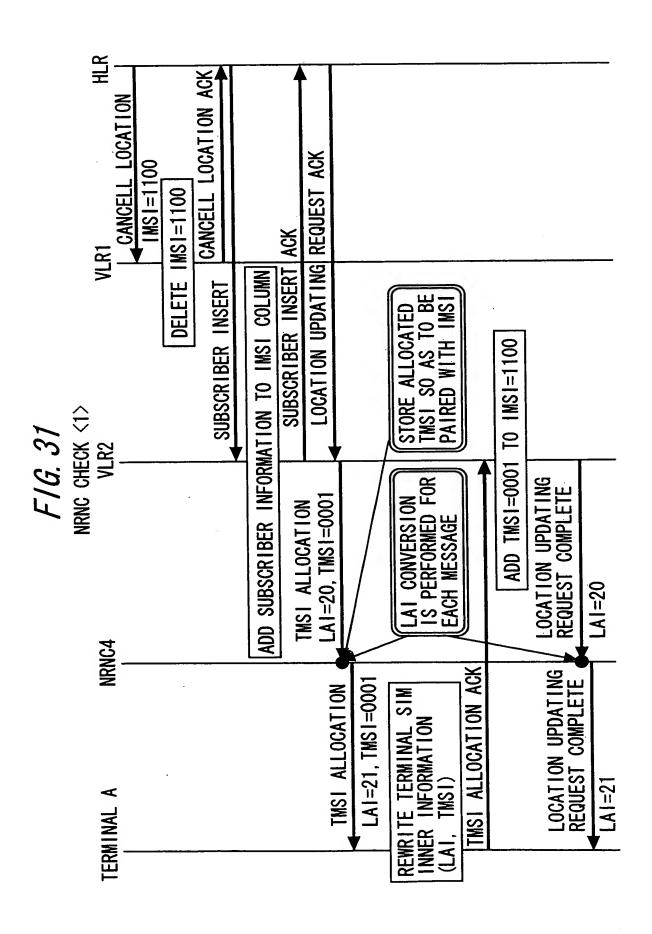
__6

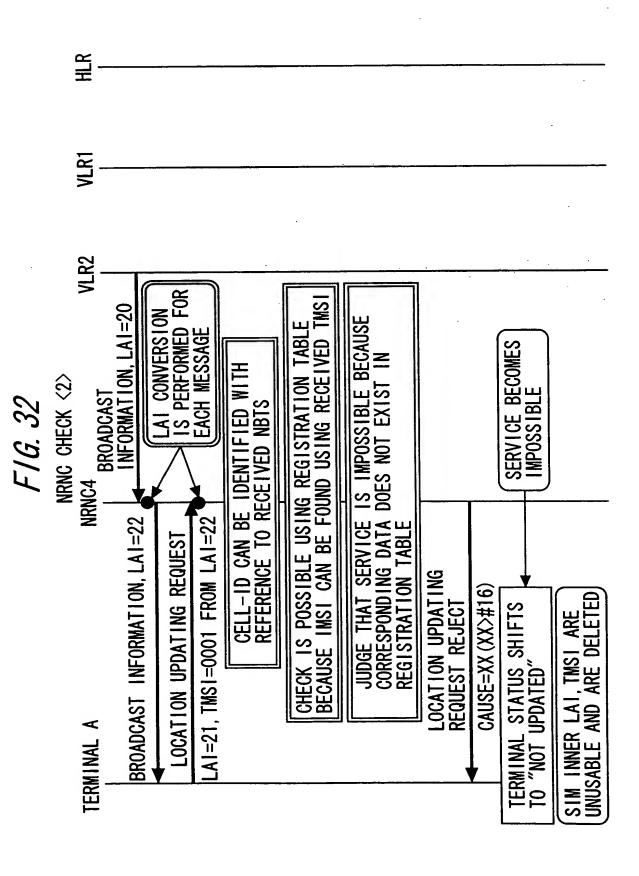
FIG. 29B

TERMINAL REGISTRATION TABLE

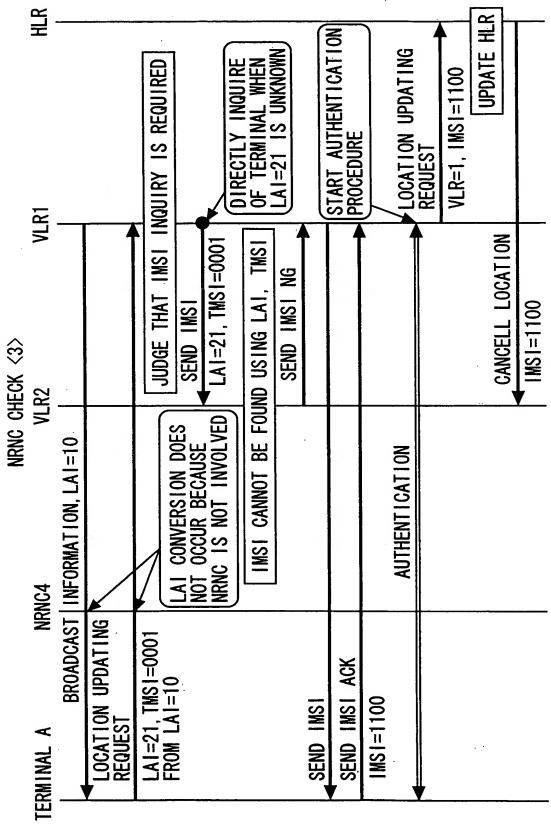
01	1100	
02	2100	0001
003		
	001 002 003	002 2100

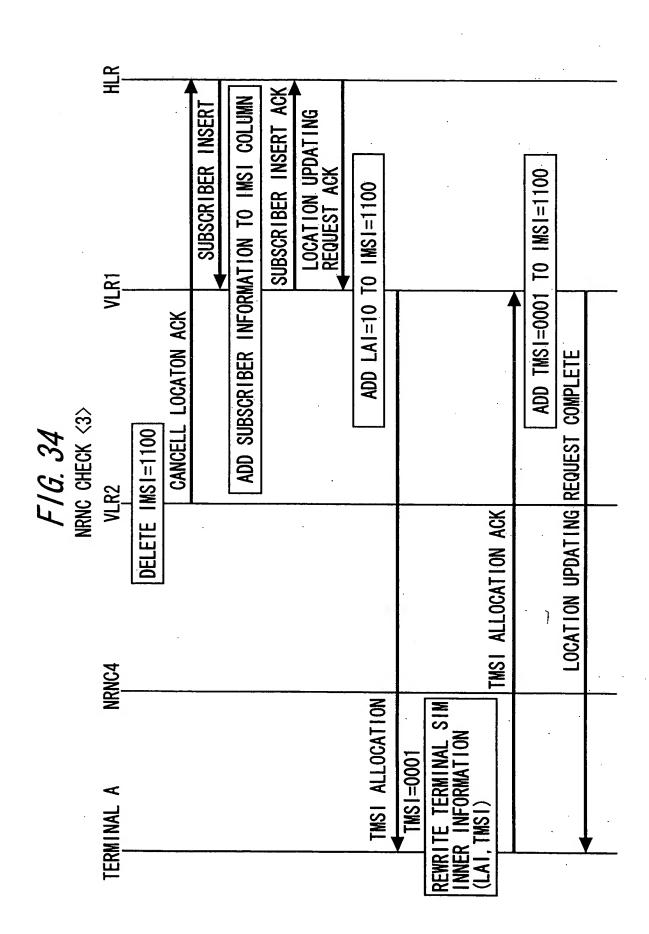


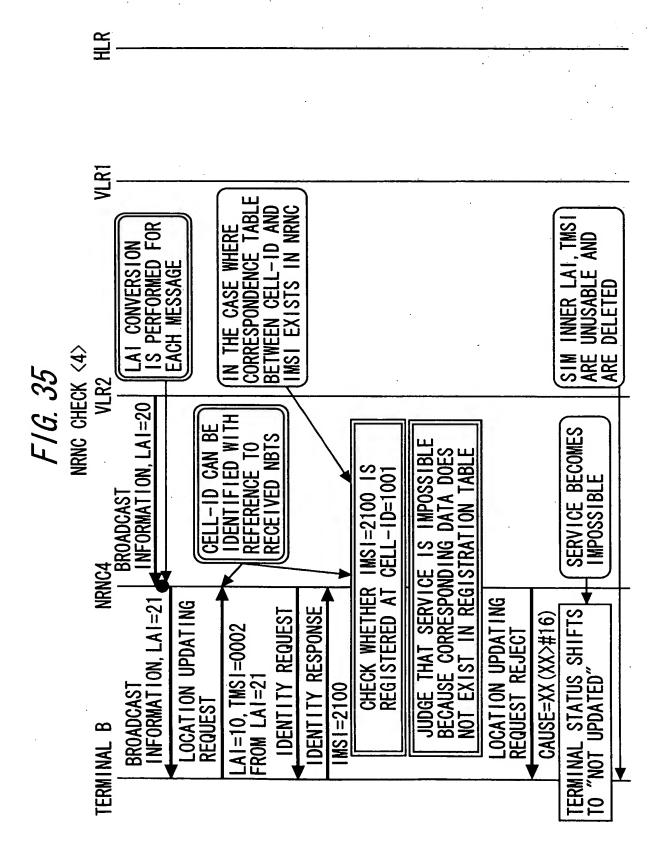


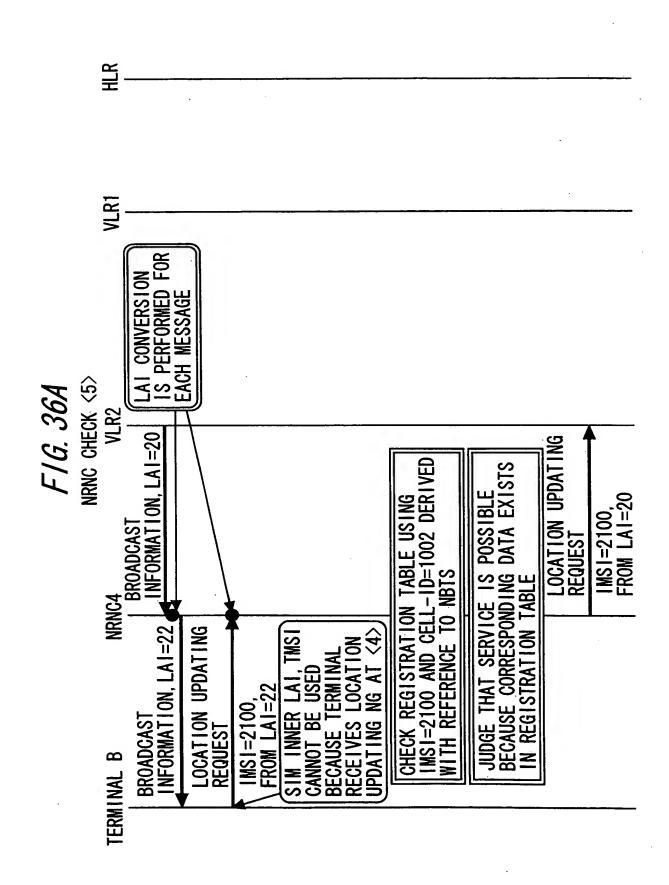


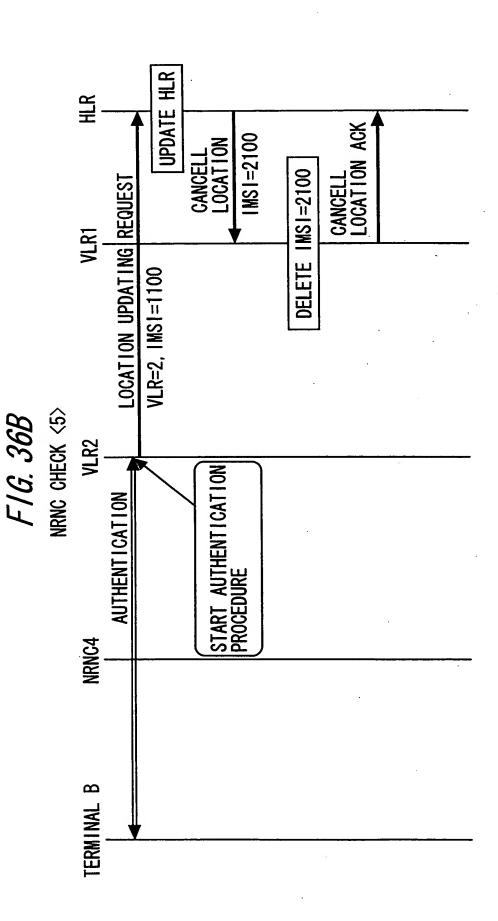
F16.33

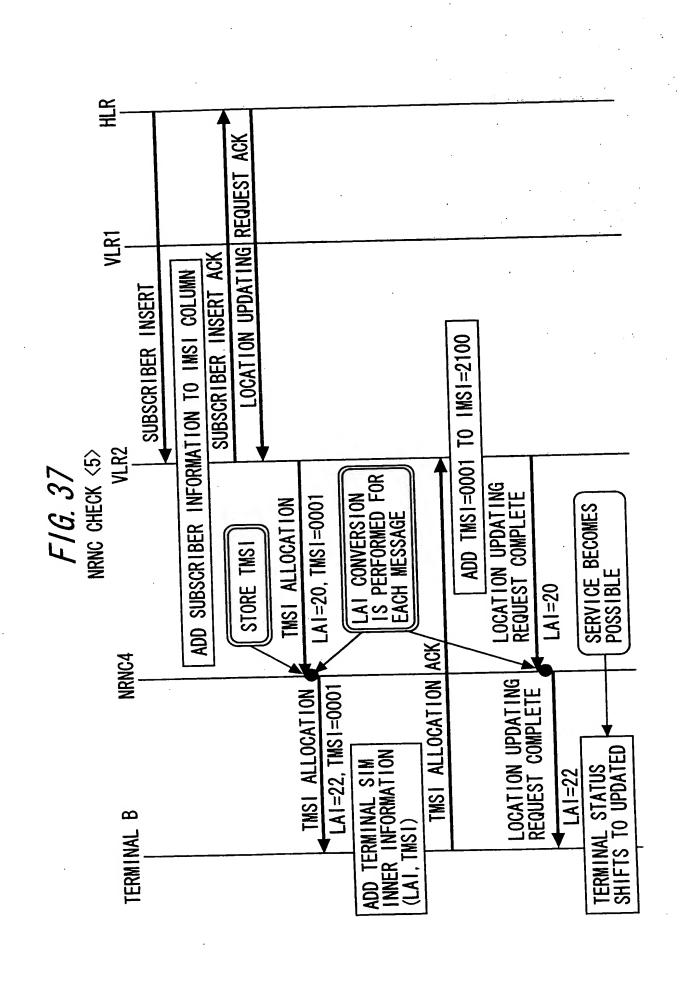


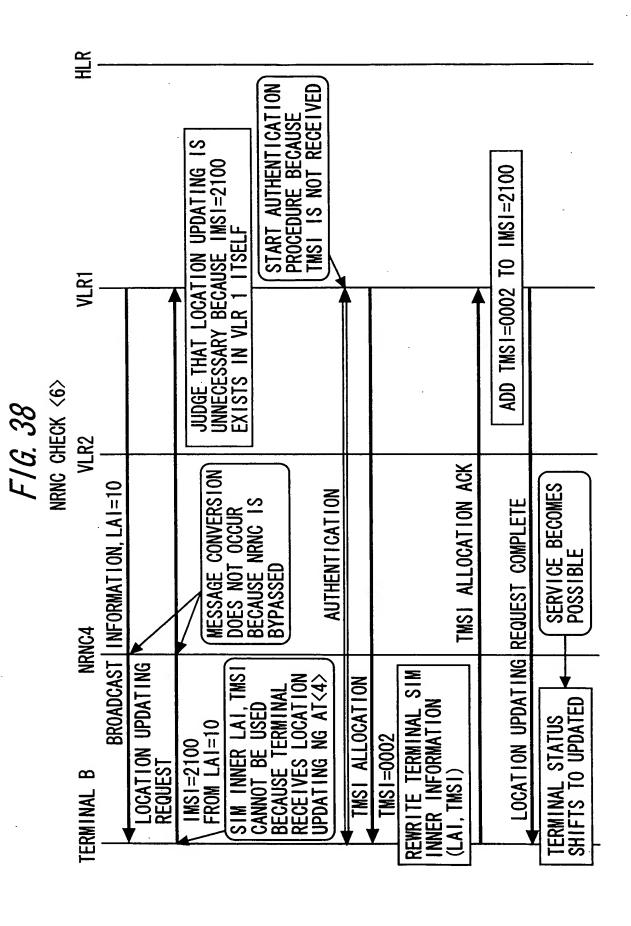


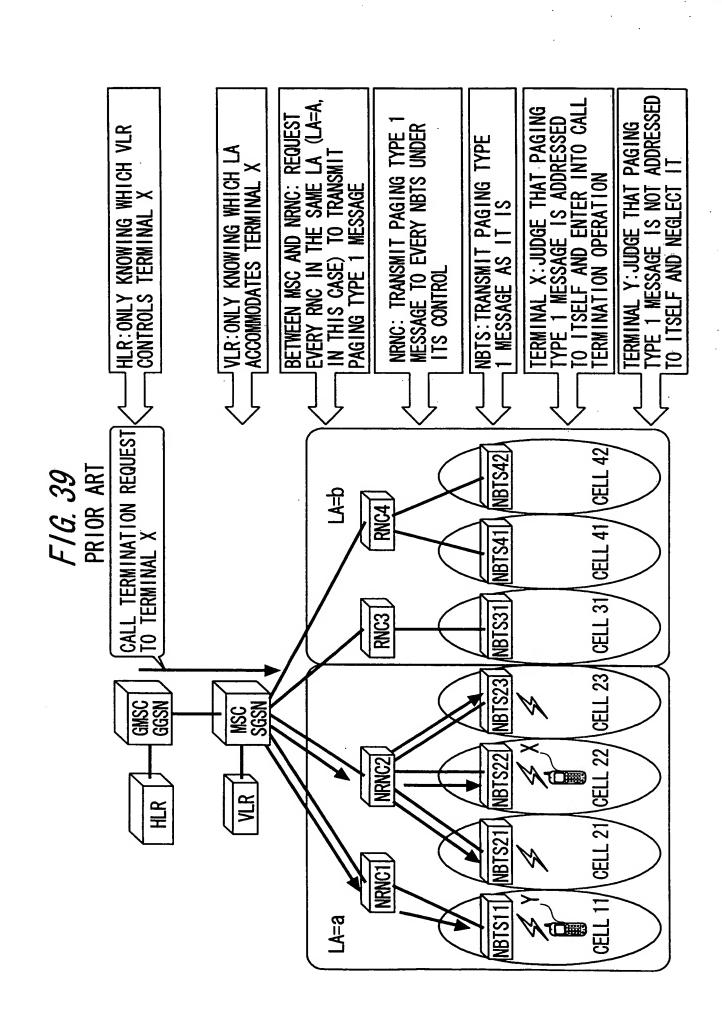


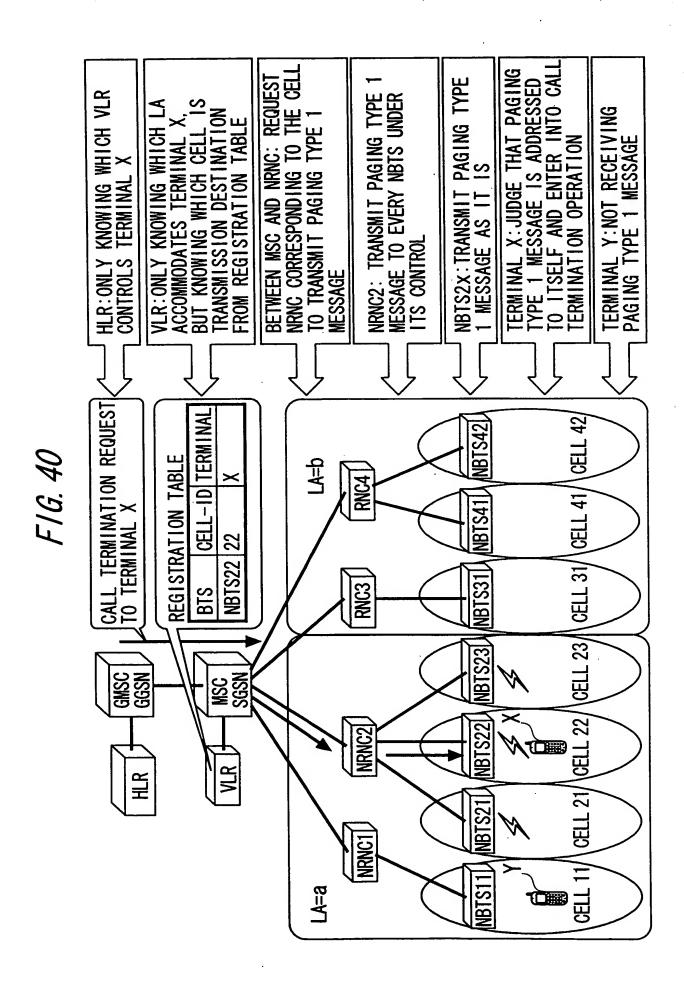


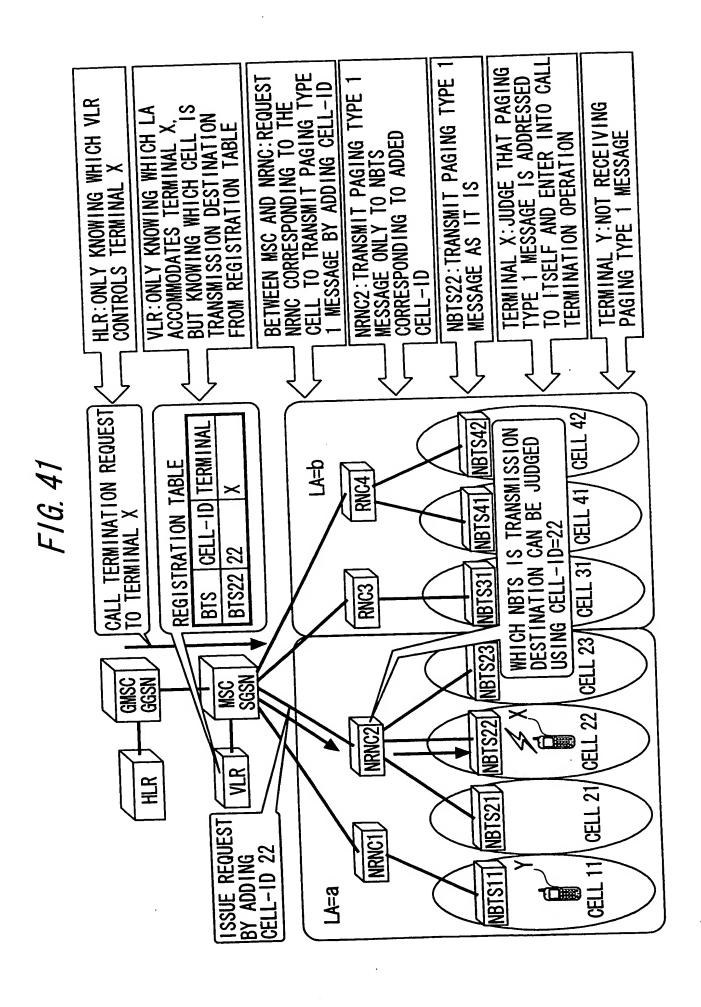












F1G. 42

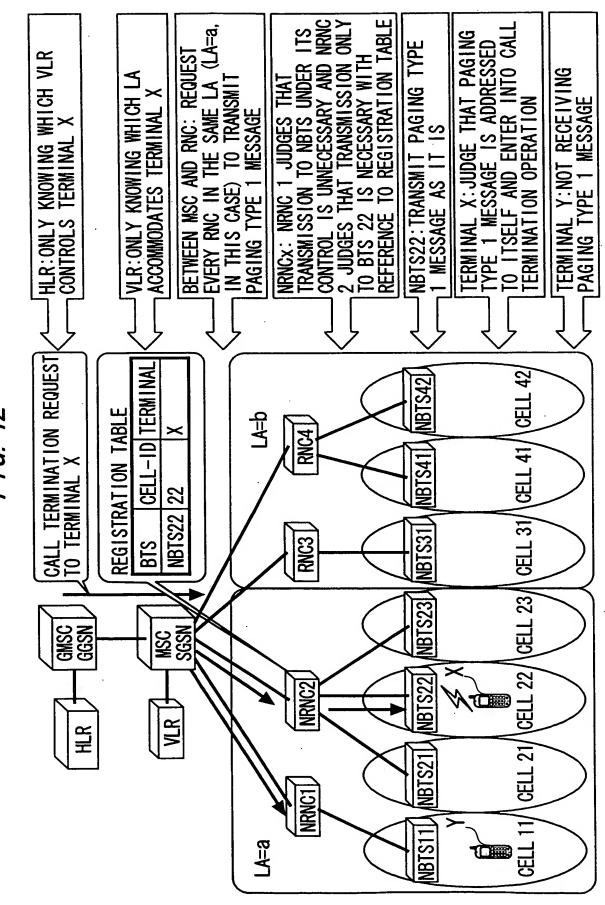
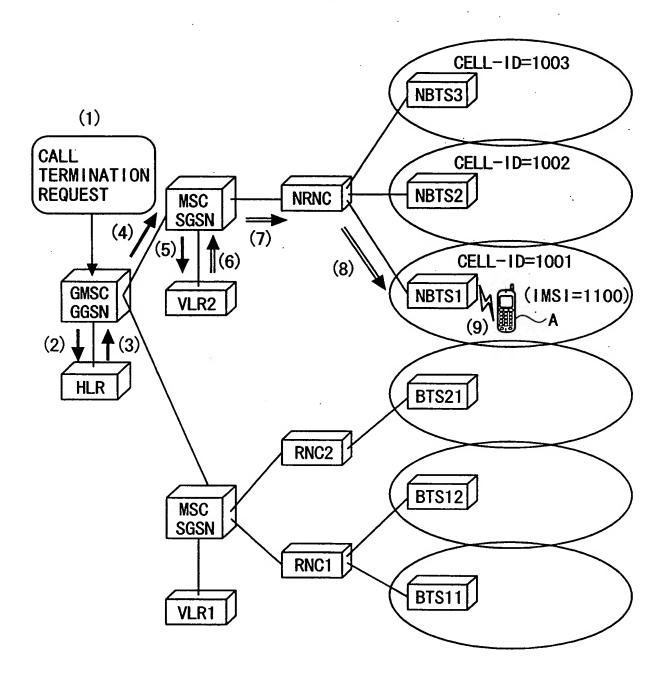


FIG. 43A



F/G. 43B

BTS	CELL-ID	IMSI		
NBTS1	1001	1100	(MULTIPLE IS POSSIBLE)	EXISTING IN VLR 2
NBTS2	1002	2100		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\

FIG. 44A

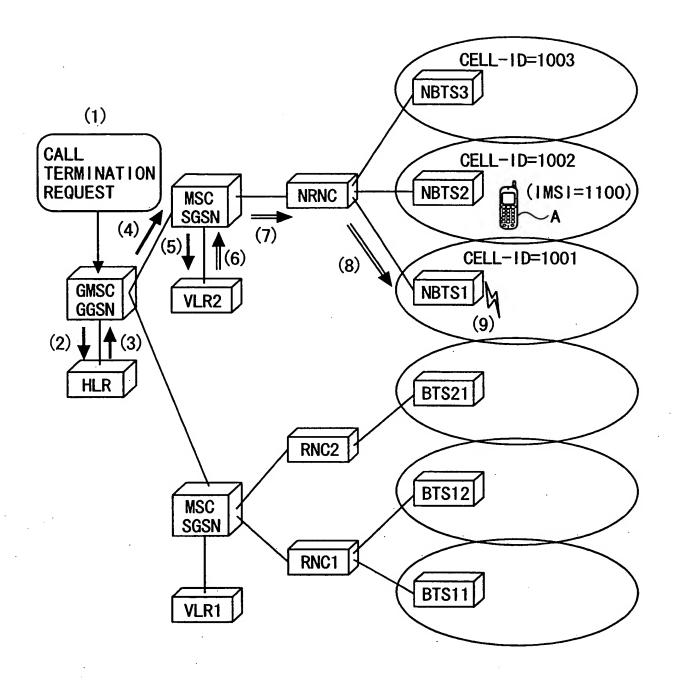


FIG. 44B

BTS	CELL-ID	IMSI		
NBTS1	1001	1100	(MULTIPLE IS POSSIBLE)	EXISTING IN VLR 2
NBTS2	1002	2100		

FIG. 45A

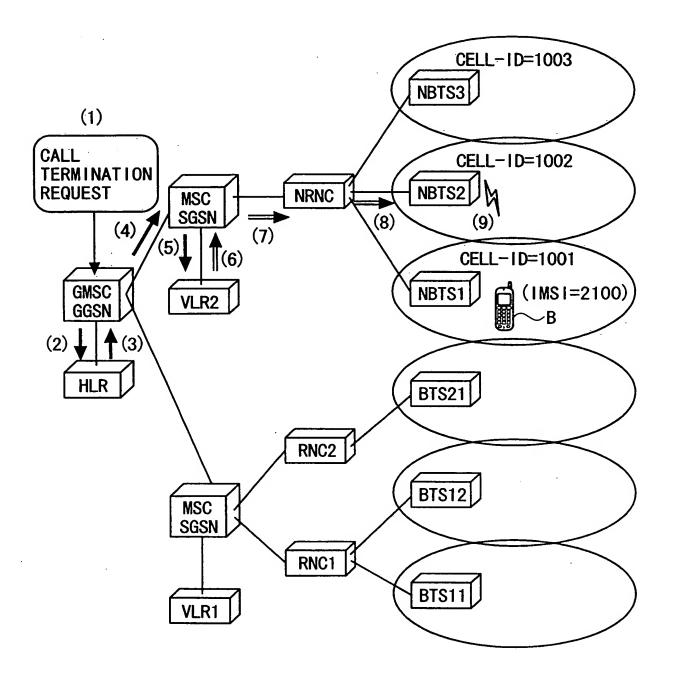


FIG. 45B

BTS	CELL-ID	IMSI		
NBTS1	1001	1100	(MULTIPLE IS POSSIBLE)	EXISTING IN VLR 2
NBTS2	1002	2100		

FIG. 46A

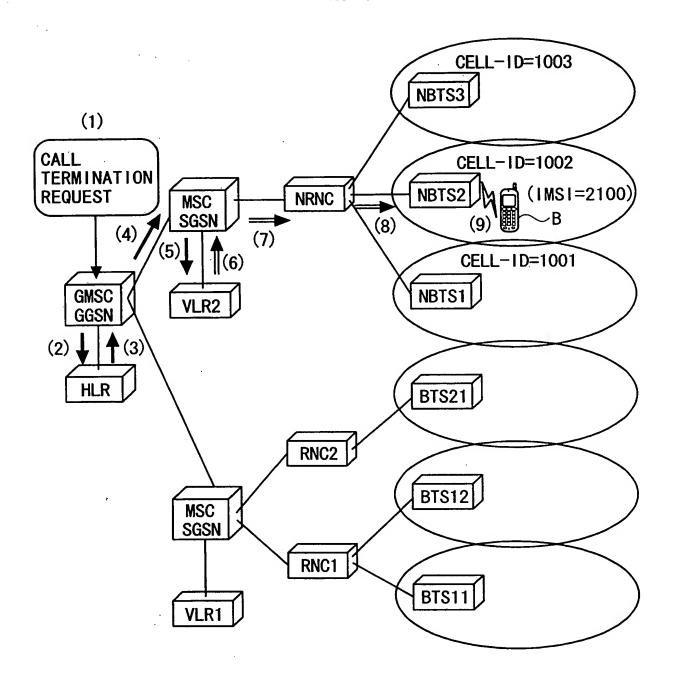


FIG. 46B

BTS	CELL-ID	IMSI		
NBTS1	1001	1100	(MULTIPLE IS POSSIBLE)	EXISTING IN VLR 2
NBTS2	1002	2100		

FIG. 47A

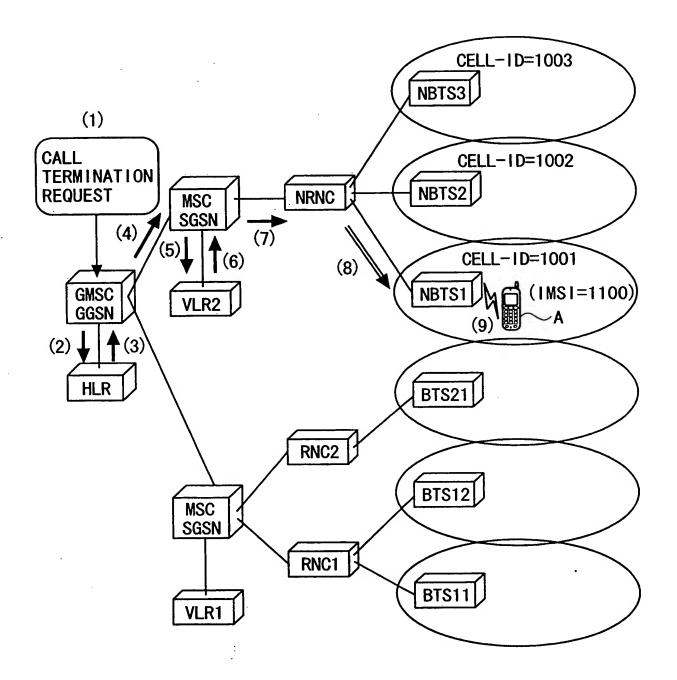


FIG. 47B

BTS	CELL-ID	IMSI		
NBTS1	1001	1100	(MULTIPLE IS POSSIBLE)	EXISTING IN NRNC
NBTS2	1002	2100		

FIG. 48A

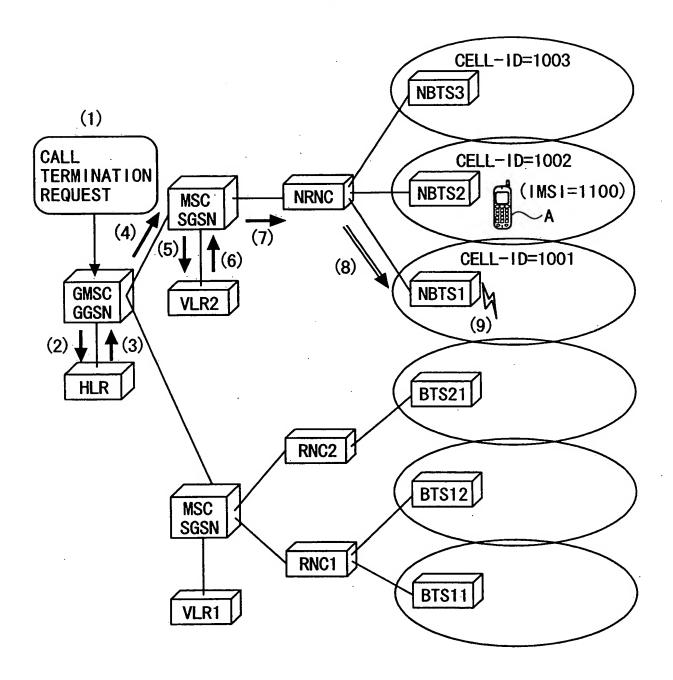


FIG. 48B

BTS	CELL-ID	IMSI		
NBTS1	1001	1100	(MULTIPLE IS POSSIBLE)	EXISTING IN NRNC
NBTS2	1002	2100		

FIG. 49A

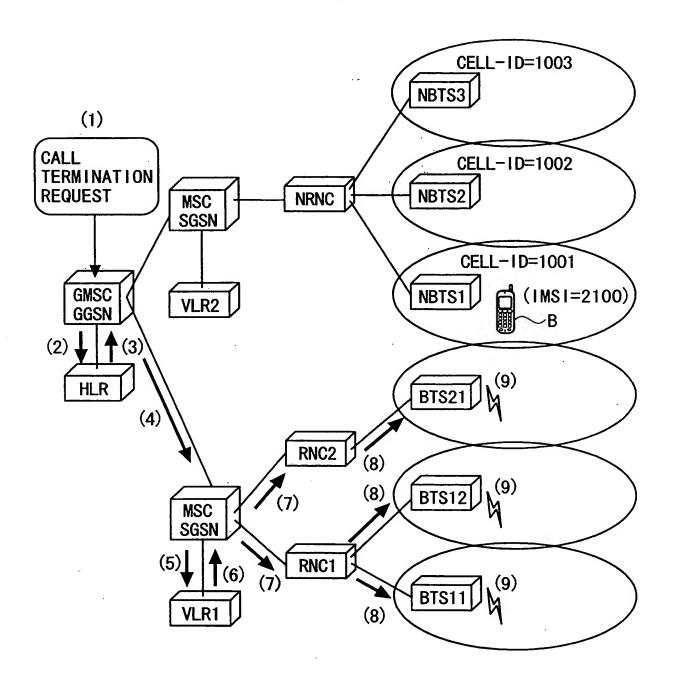
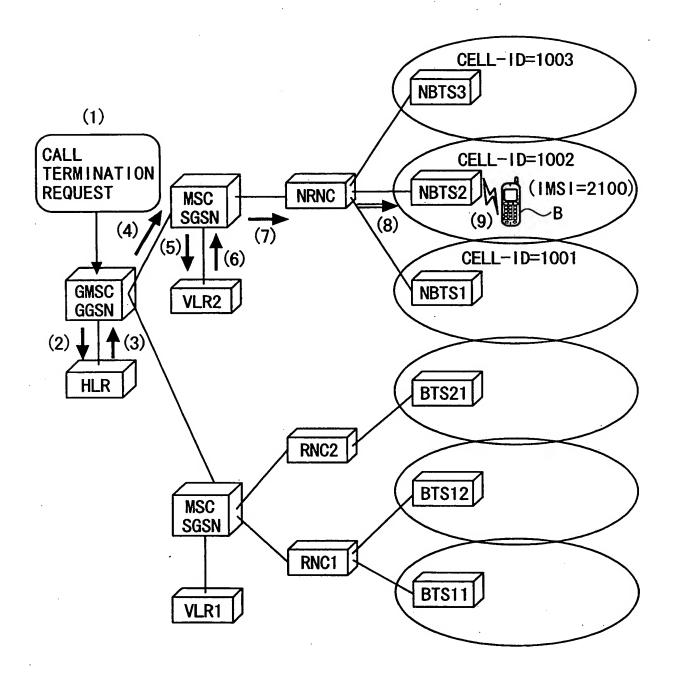


FIG. 49B

BTS	CELL-ID	IMSI		
NBTS1	1001	1100	(MULTIPLE IS POSSIBLE)	EXISTING IN NRNC
NBTS2	1002	2100		

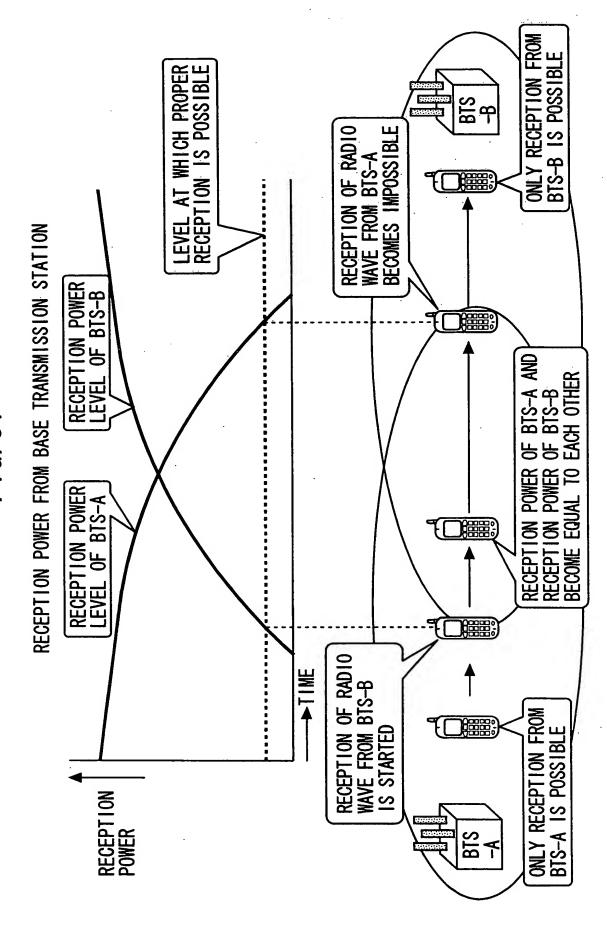
FIG. 50A



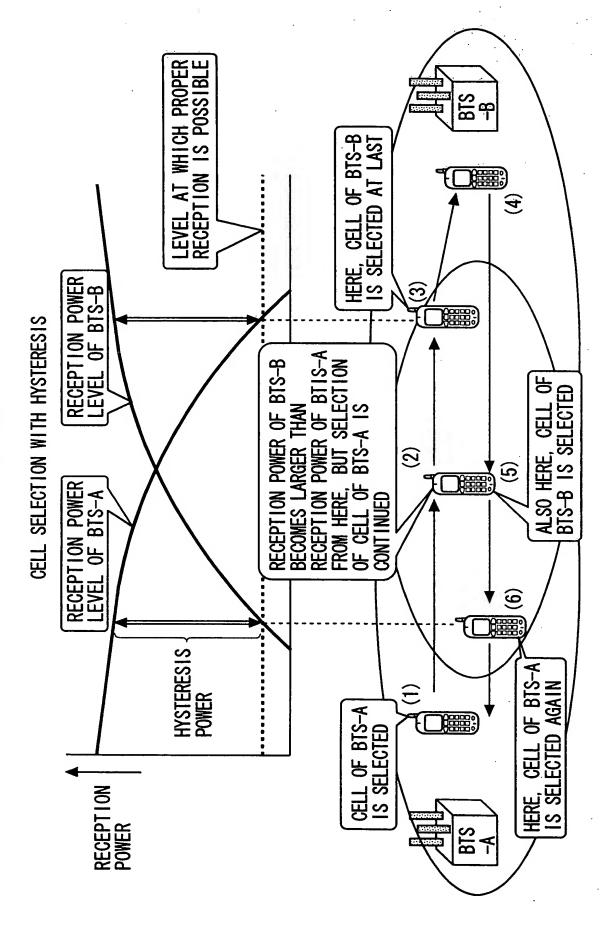
F/G. 50B

BTS	CELL-ID	IMSI		
NBTS1	1001	1100	(MULTIPLE IS POSSIBLE)	EXISTING IN NRNC
NBTS2	1002	2100		

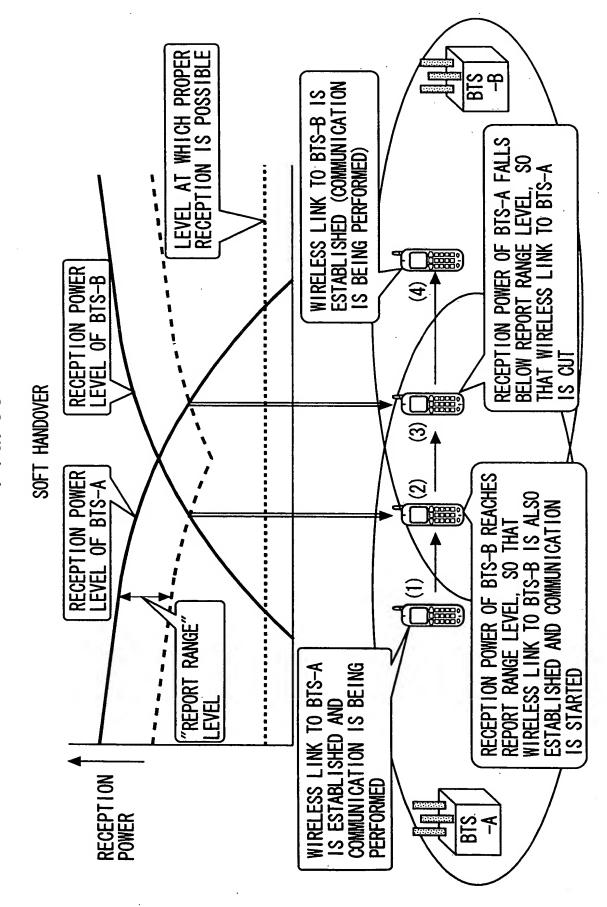
F16.51



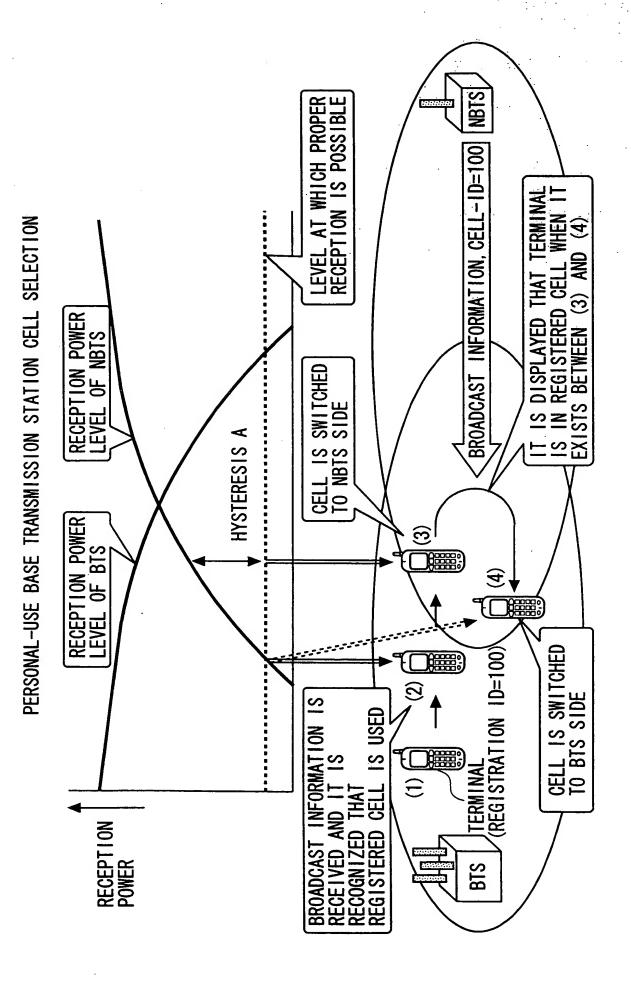
F16. 52



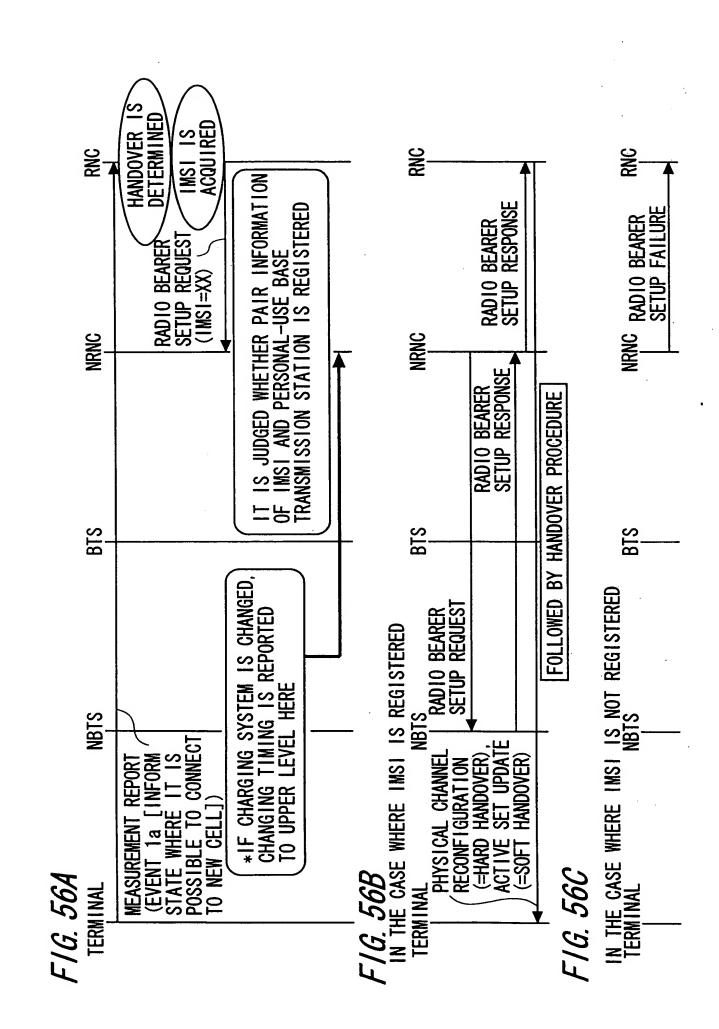
F1G. 53

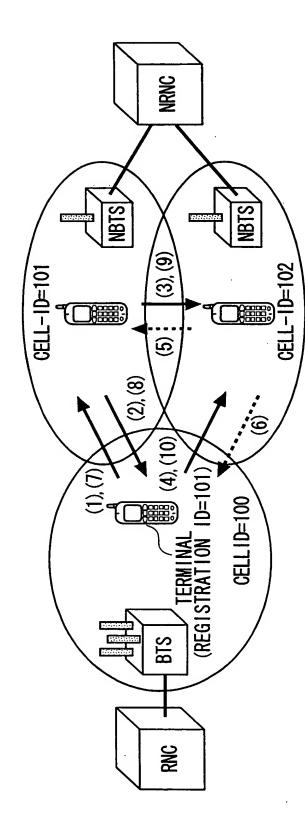


F16. 54



F1G. 55A





OF MOVEMENT BETWEEN CELLS (DURING COMMUNICATION)
(GENERAL BASE TRANSMISSION STATION CELL) TO ALLOWED CELL (CELL OF RANSMISSION STATION REGISTERED IN TERMINAL) FROM GENERAL

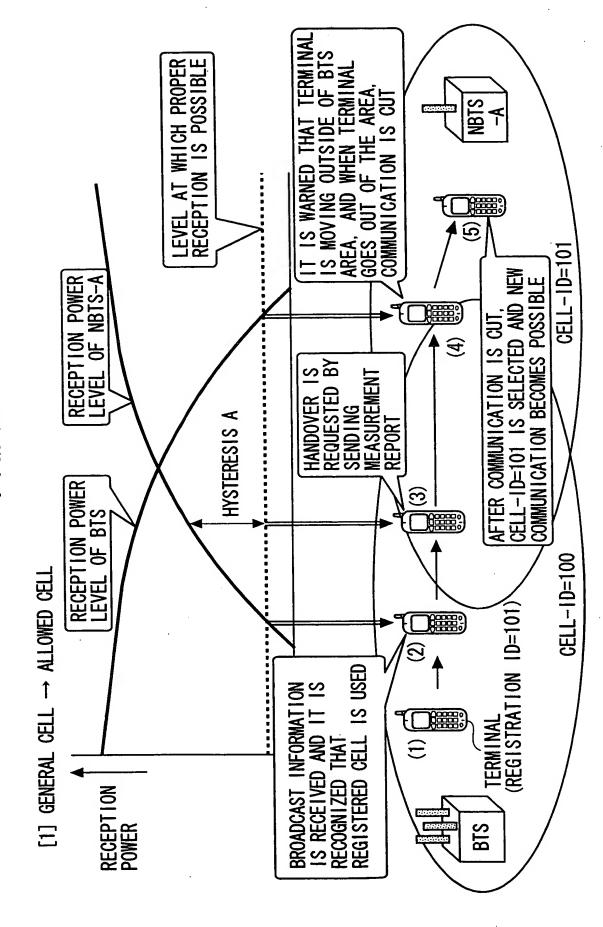
"0 GENERAL CELI වල

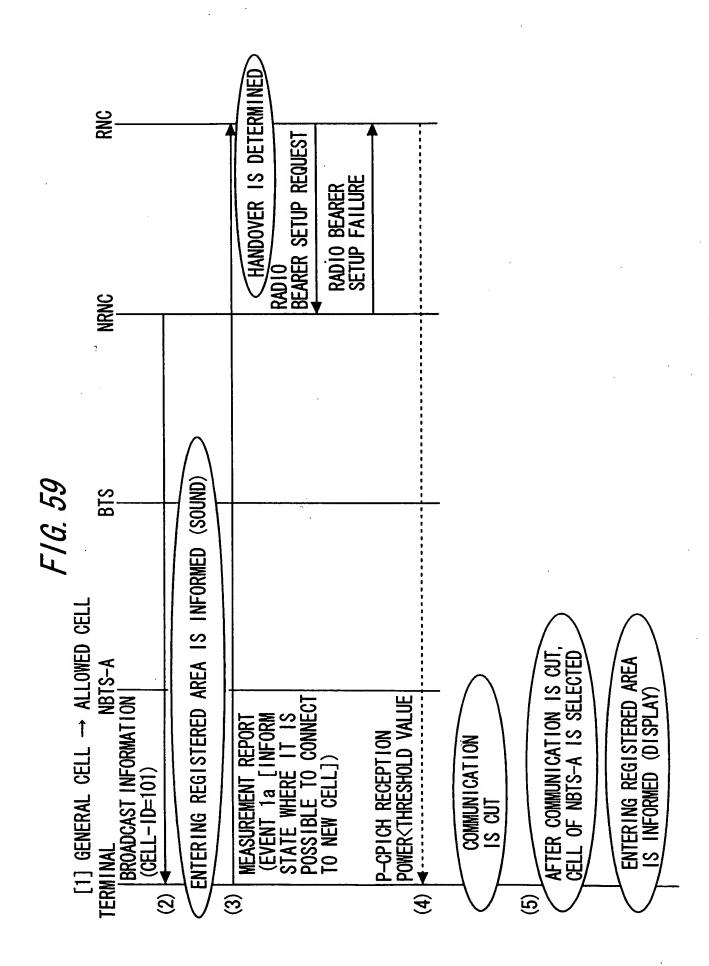
O PROHIBITED CELL (CELL OF PERSONAL-USE BASE TRANSMISSION STATION NOT FROM

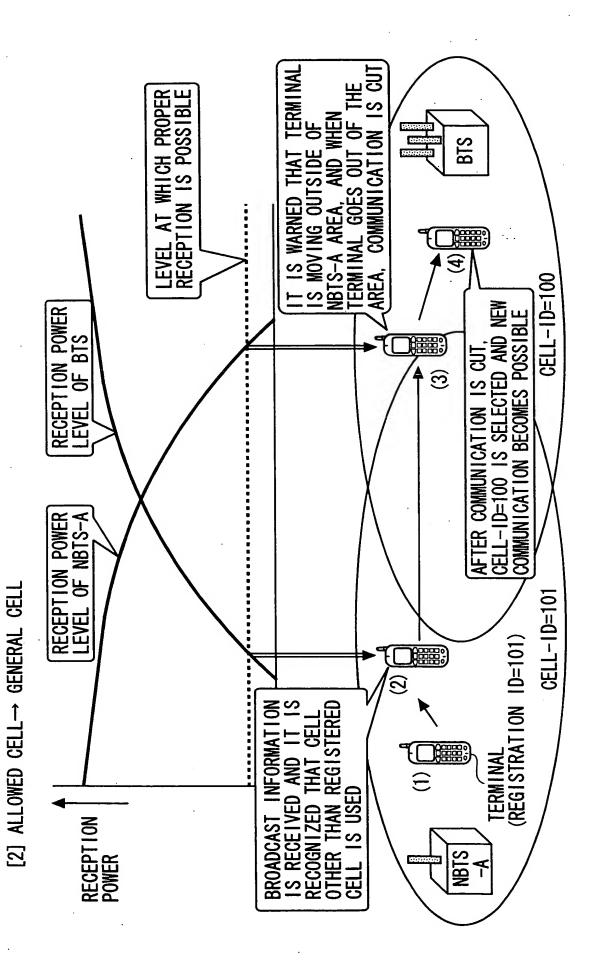
IEN COMMUNICATION IS BEING PERFORMED
EN COMMUNICATION IS BEING PERFORMED
ROCESSING IS PERFORMED
T PROCESSING IS PERFORMED
T PROCESSING IS PERFORMED
T PROCESSING IS PERFORMED
T PROCESSING IS PERFORMED IMPOSSIBLE V IMPOSSIBLE V O ALLOWED GENERAL PROHIBI PROHIB! <u>8</u> 4666

ANDOVER JUDGMENT PROCESSING IS ANDOVER JUDGMENT PROCESSING IS L, HANDOVER JUDGMENT PROCESSING HANDOVER JUDGMENT GENERAL \otimes

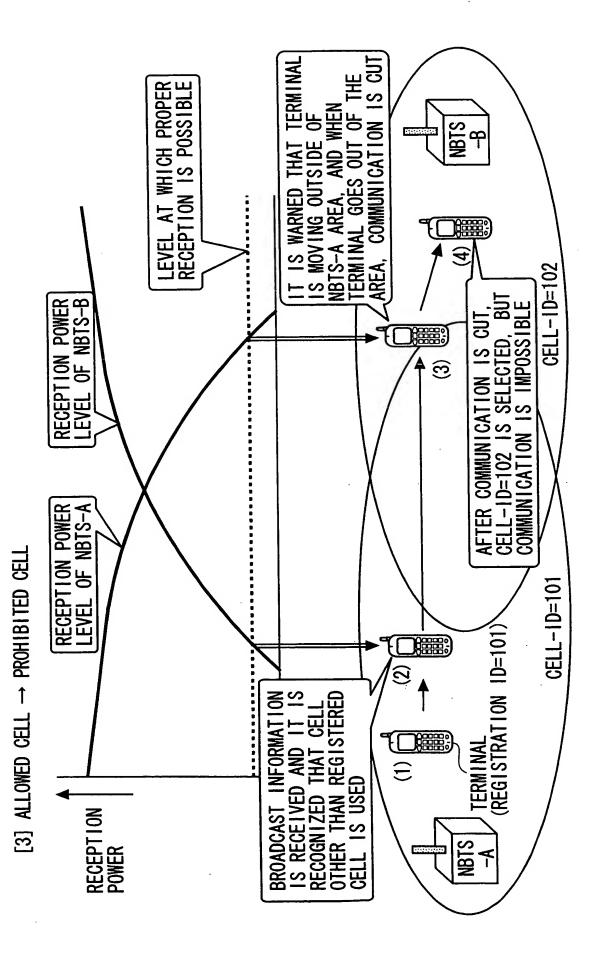
HANDOVER JUDGMENT

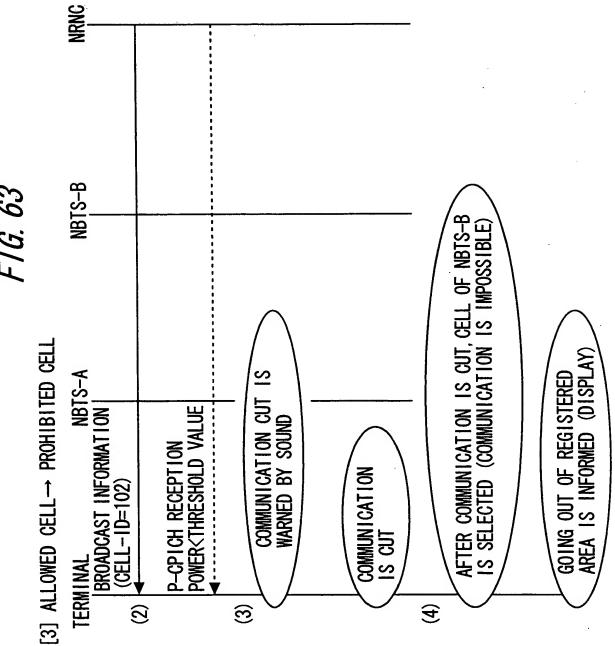




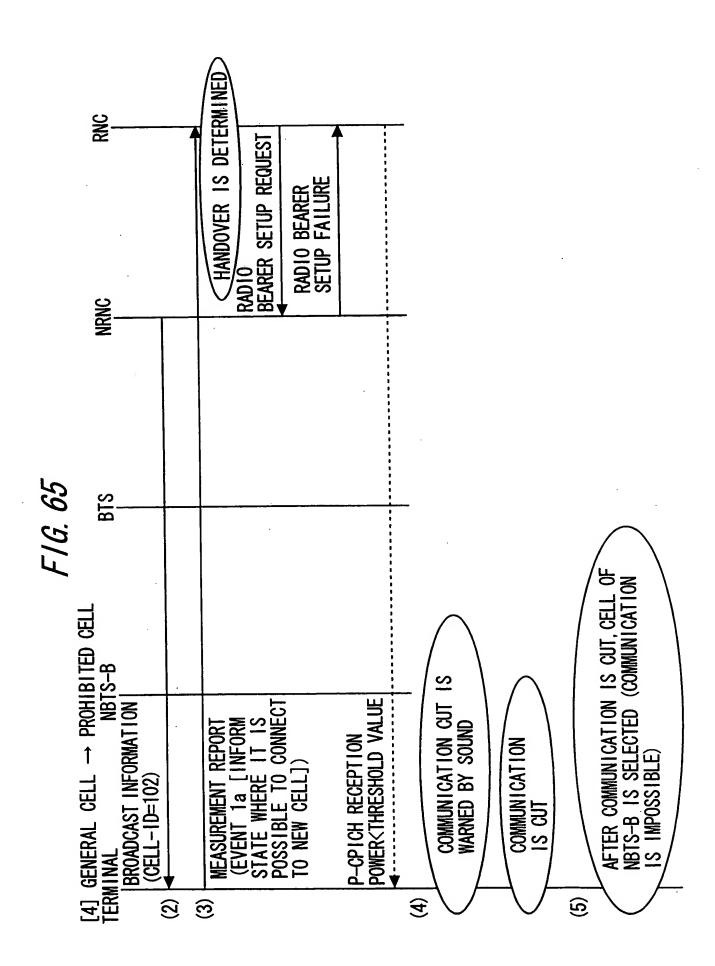


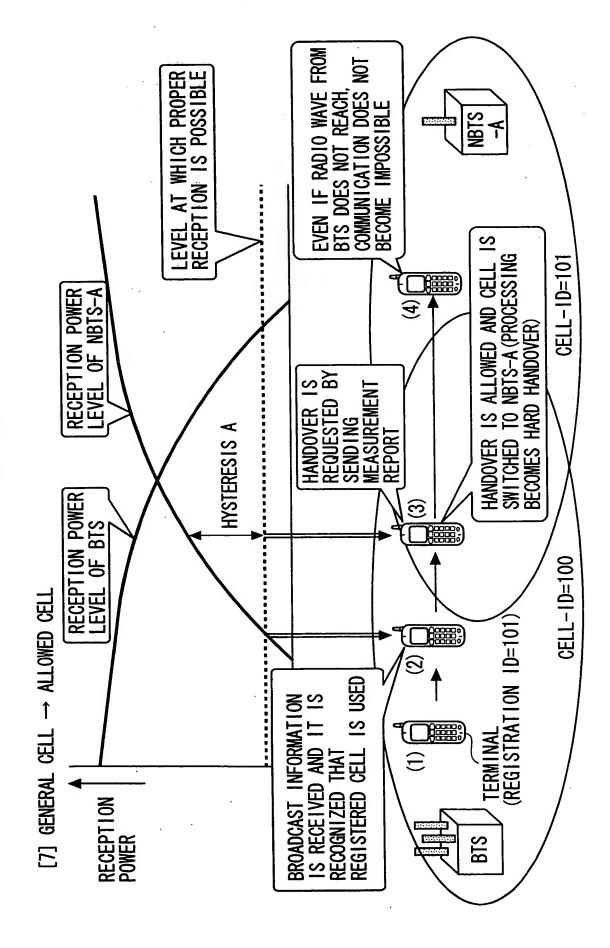
F16. 61



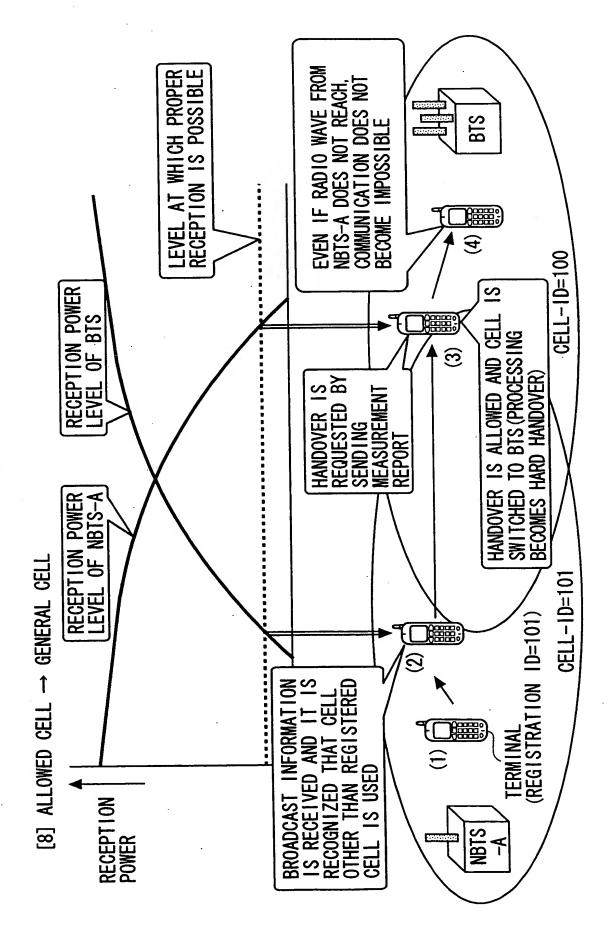


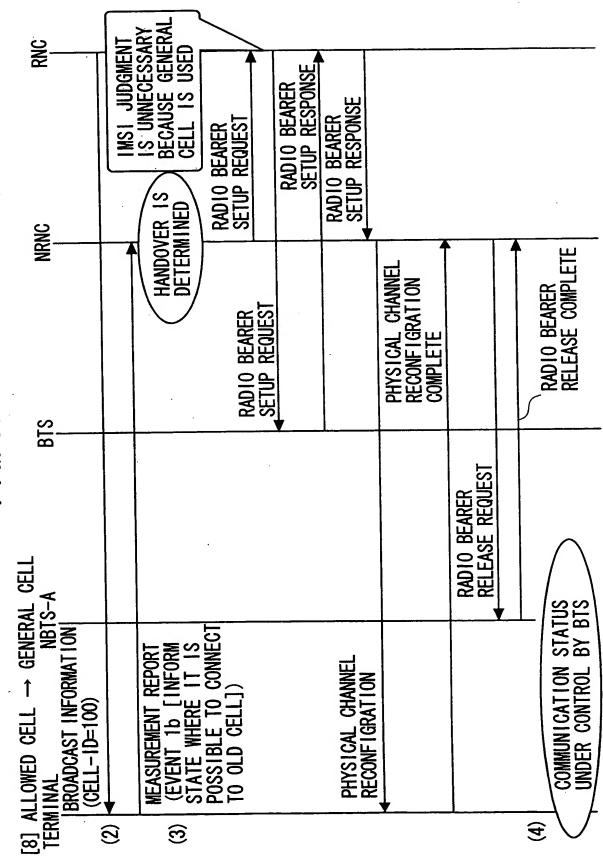
ERMINAL IS MOVING OUTSIDE OF BTS AREA, AND WHEN TERMINAL GOES OUT OF THE AREA, COMMUNICATION IS CUT T WHICH PROPER ON IS POSSIBLE **NBTS** IS WARNED THAT RECEPT I ON 3 CELL-1D=102 S SELECTED, BUT IS IMPOSSIBLE RECEPTION POWER LEVEL OF NBTS-B AFTER COMMUNICATION IS CUT CELL-ID=102 IS SELECTED, B **3** HANDOVER IS REQUESTED BY SENDING MEASUREMENT REPORT RECEPTION POWER LEVEL OF BTS PROHIBITED CELL CELL-1D=100 TERMINAL (REGISTRATION ID=101) [4] GENERAL CELL → OTHER THAN REGISTERED CELL IS USED IS RECEIVED AND RECOGNIZED THAT RECEPTION POWER BROADCAST BTS

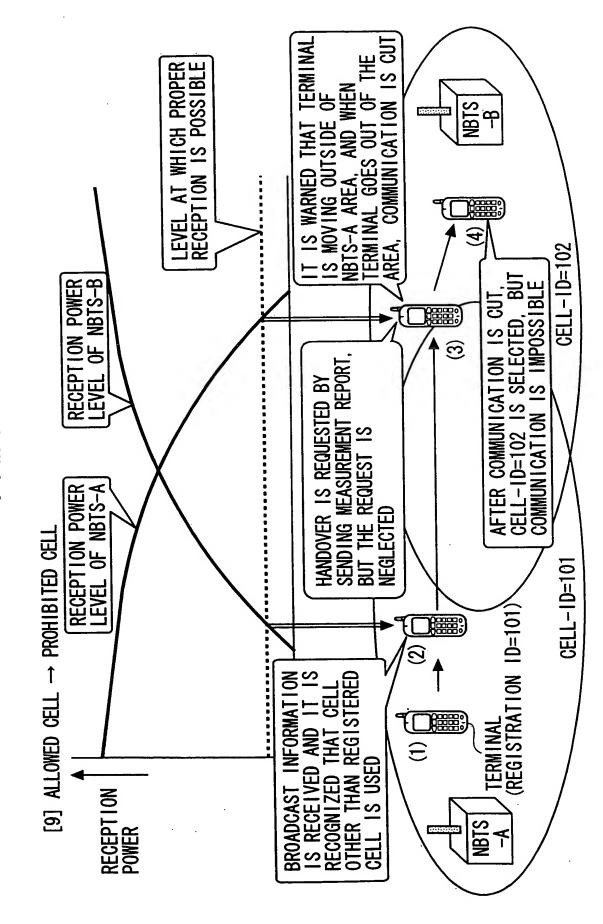


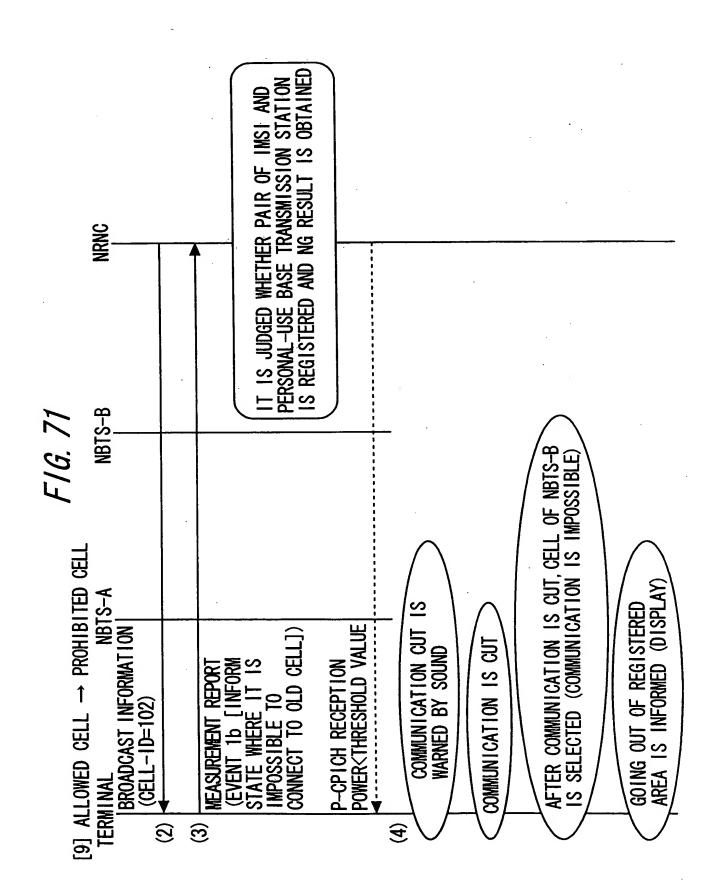


F1G. 67









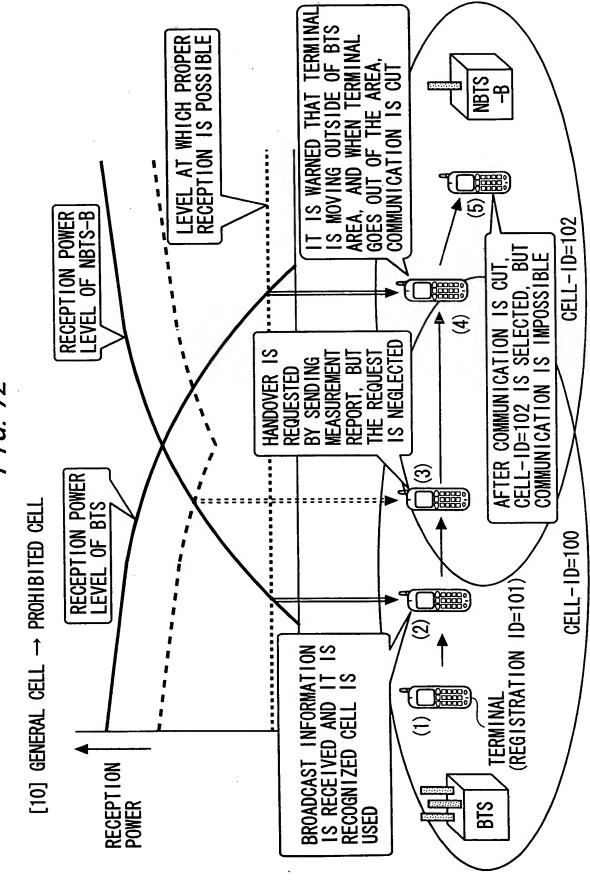


FIG. 74

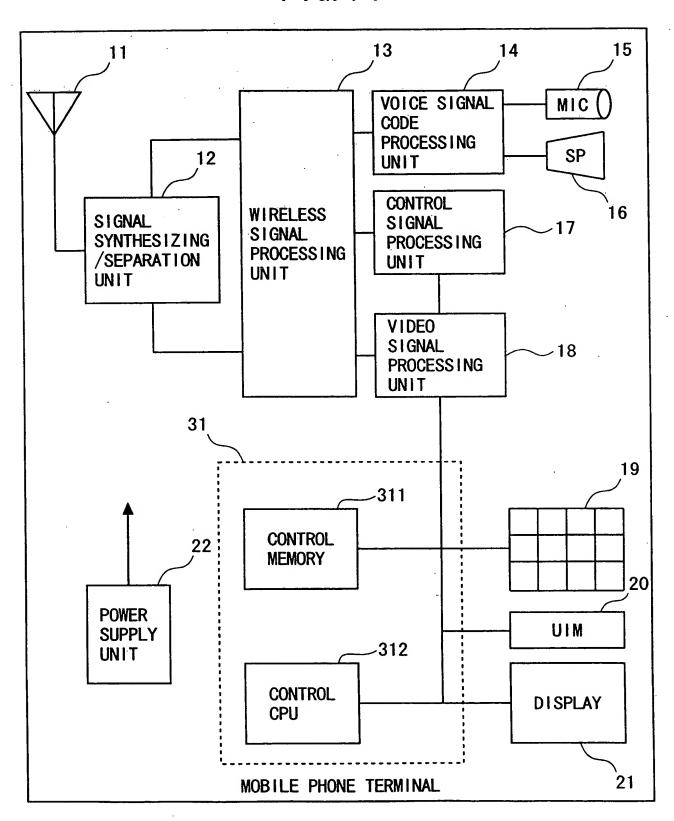
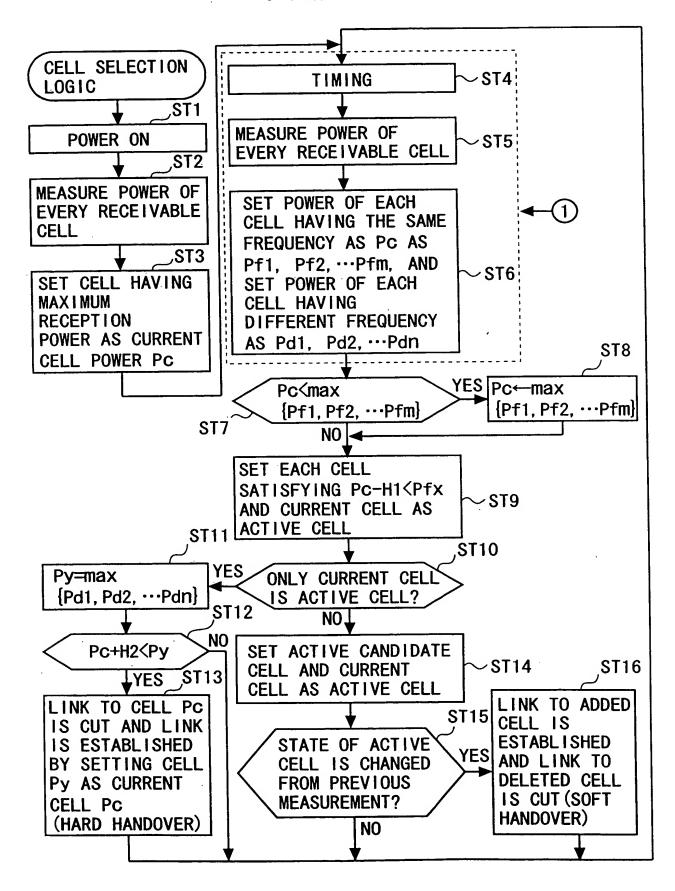


FIG. 75



F/G. 76

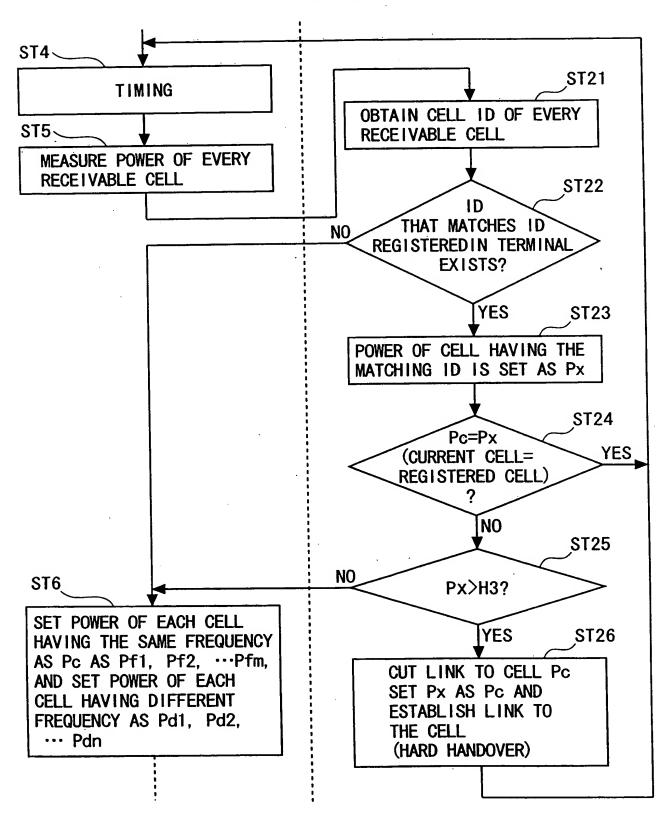


FIG. 77

